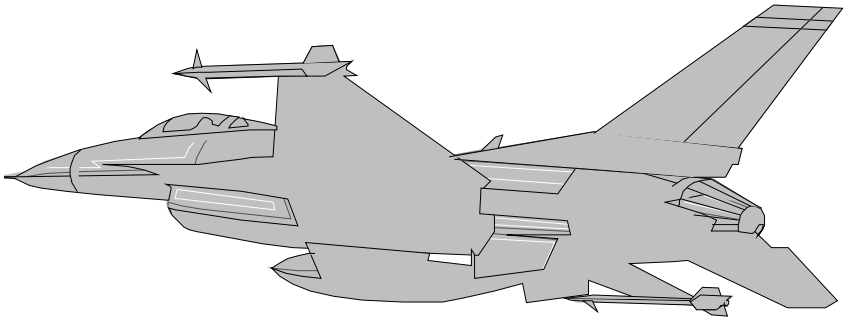
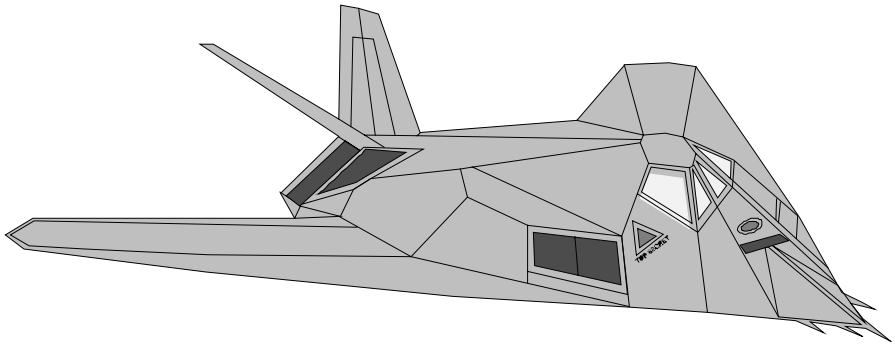
DEPARTMENT OF THE AIR FORCE
Headquarters US Air Force
Washington, DC 20330-1030

CFETP 2A3X3B
Parts I and II
OCTOBER 1998

AFSC 2A3X3B
F-16/F-117A AIRCRAFT MAINTENANCE SPECIALTY





CAREER FIELD EDUCATION AND TRAINING PLAN

When the engines start,
and the burners light,
it's too late to wonder
if we did it right.

CAREER FIELD EDUCATION AND TRAINING PLAN
F-16/F-117A AIRCRAFT MAINTENANCE SPECIALTY
AFSC 2A3X3B

Table of Contents

Supersedes: AFJQS 452X4B, April 1990
CFETP 2A3X3B, December 1994
CFETP 2A3X3B, Change 1, April 1997

Approved By: HQ USAF/ILMM (CMSgt Funk)
OPR: 362 TRS/TRR (R. Jackson)
Number of Printed Pages: 99

FIGHTER AIRCRAFT MAINTENANCE SPECIALTY
AFSC 2A3X3B
CAREER FIELD EDUCATION AND TRAINING PLAN

PART I

Preface

1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for this specialty. The CFETP will provide personnel a clear career path to success and instill rigor in all aspects of career field training. To read, review, or print a copy of current CFETP, go to the Aircraft Maintenance Homepage at: **http://www.il.hq.af.mil/ilm/ilmm/ac-tng.html**. ***NOTE:*** Civilians occupying associated positions will use Part II to support duty position qualification training.

2. The CFETP consists of two parts; both parts of the plan are used by supervisors to plan, manage, and control training within the career field.

2.1. Part I provides information necessary for overall management of the specialty. Section A explains how everyone will use the plan. Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path. Section C associates each level with specialty qualifications (knowledge, education, training, and other). Section D indicates resource constraints. Some examples are funds, manpower, equipment, facilities. Section E identifies transition training guide requirements to support career field restructures.

2.2. Part II includes the following: Section A identifies the Specialty Training Standard (STS) and includes duties, tasks, and technical references to support training; Air Education and Training Command (AETC) conducted training; wartime course requirements; core tasks; and correspondence course requirements. Section B contains the course objective list and training standards supervisors use to determine if airmen satisfied training requirements. Section C identifies available support materials. An example is a Qualification Training Package (QTP) developed to support proficiency training. These QTP packages are identified in AFIND8, *Numerical Index of Specialized Educational Training Publications.* Section D identifies a training course index supervisors use to determine resources available to support training; included here are both mandatory and optional courses. Section E identifies MAJCOM unique training requirements supervisors use to determine additional training requirements unique to the MAJCOM.

3. Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate point in their career. This plan will enable us to train today's work force for tomorrow's jobs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

ABBREVIATIONS/TERMS EXPLAINED

Advanced Training (AT). Formal course which provides individuals who are qualified in one or more positions of their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of the AFS.

Air Force Job Qualification Standard (AFJQS). A comprehensive task list which describes a particular job type or duty position. They are used by supervisors to document task qualifications. The tasks on AFJQS are common to all persons serving in the described duty position.

Career Field Education and Training Plan (CFETP). A CFETP is a comprehensive, multipurpose document covering the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, to eliminate duplication, and to ensure this training is budget defensible.

Certification. A formal indication of an individual's ability to perform a task to required standards.

Certification Official. A person the commander assigns to determine an individual's ability to perform a task to required standards.

Continuation Training. Additional training exceeding requirements with emphasis on present or future duty assignments.

Core Task. A task Air Force Career Field Managers (AFCFMs) identify as a minimum qualification requirement within an Air Force Specialty regardless of duty position. Core task identified with an *R are optional for AFRC and ANG.

Course Objective List (COL). A publication identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3-/7-skill level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2201, Developing, Managing and Conducting Military Training Programs.

Enlisted Specialty Training (EST). A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in each skill level of a specialty.

Exportable Training. Additional training via computer assisted, paper text, interactive video, or other necessary means to supplement training.

Field Technical Training (Type 4). Special or regular on-site training conducted by a training detachment (TD) or by a mobile training team (MTT).

Initial Skills Training. A formal resident course which results in award of a 3-skill level AFSC.

Instructional System Development (ISD). A deliberate and orderly process for developing, validating, and reviewing instructional programs that ensures personnel are taught the knowledge and skills essential for successful job performance.

Mission Ready Technician. A formal course which results in an airman receiving hands-on training and task certification of selected tasks so the individual will be immediately productive upon arrival at their first duty section.

Occupational Survey Report (OSR). A detailed report showing the results of an occupational survey of tasks performed within a particular AFS.

On-the-Job Training (OJT). Hands-on, over-the-shoulder training at the duty location used to certify personnel for both skill level upgrade and duty position qualification.

Qualification Training (QT). Actual hands-on task performance training designed to qualify an airman in a specific duty position. This training occurs both during and after the upgrade training process. It is designed to provide the performance skill/knowledge training required to do the job.

Qualification Training Package (QTP). An instructional package designed for use at the unit to qualify, or aid qualification, in a duty position or program, or on a piece of equipment. It may be printed, computer-based, or in other audiovisual media.

Resource Constraints. Resource deficiencies, such as money, facilities, time, manpower, and equipment that preclude desired training from being accomplished.

Specialized Training Package and COMSEC Qualification Training Package. A composite of lesson plans, test material, instructions, policy, doctrine, and procedures necessary to conduct training. These packages are prepared by AETC, approved by National Security Agency (NSA), and administered by qualified communications security (COMSEC) maintenance personnel.

Specialty Training Standard (STS). An Air Force publication that describes an Air Force Specialty in terms of tasks and knowledge an airman may be expected to perform or to know on the job. It serves as a contract between the Air Education and Training Command and the functional user to show which of the overall training requirements for an Air Force Specialty Code are taught in formal schools, career development courses, and exportable courses.

Training Impact Decision System (TIDES). A computer-based decision support technology being designed to assist AFCFMs in making critical judgments relevant to what training should be provided personnel within career fields, when training should be provided (at what career points), and where training should be conducted (training setting).

Upgrade Training (UGT). A mixture of mandatory courses, task qualification, QTPs, and CDCs required for award of the 3-, 5-, 7-, or 9-skill levels.

Utilization and Training Workshop (U&TW). A forum of MAJCOM Air Force Specialty Code (AFSC) functional managers, Subject Matter Experts (SMEs), and AETC training personnel that determines career ladder training requirements.

Section A - General Information

1. Purpose. This CFETP provides information necessary for Air Force Career Field Managers (AFCFM), MAJCOM Functional Managers (MFMs), commanders, training managers, supervisors and trainers to plan, develop, manage, and conduct an effective career field training program. This plan outlines the training that individuals in AFSC 2A3X3B should receive to develop and progress throughout their career. This plan identifies initial skills, upgrade, qualification, advanced, and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. Normally, this training is conducted by AETC at one or more of the technical training centers. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 3-, 5-, 7-, 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills/knowledge required to do the job. Advanced training is formal specialty training used for selected airmen. Proficiency training is additional training, either in-residence or exportable advanced training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes, some are:
1.1. Serves as a management tool to plan, manage, conduct, and evaluate a career field training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.
1.2. Identifies task and knowledge training requirements for each skill level in the specialty and recommends education/training throughout each phase of an individuals career.
1.3. Lists training courses available in the specialty, identifies sources of training, and the training delivery method.
1.4. Identifies major resource constraints which impact full implementation of the desired career field training process.

2. Uses. The plan will be used by MFMs and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.
2.1. AETC training personnel will develop/revise formal resident, non-resident, field and exportable training based on requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining resources needed to provide the identified training.
2.2. MFMs will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. Identified requirements can be satisfied by OJT, resident training, contract training, or exportable courses. MAJCOM-developed mandatory training to support this AFS must be identified for inclusion into this plan and must not duplicate other available training resources.

2.3. Each individual will complete the mandatory training requirements specified in this plan. The lists of courses in Part II will be used as a reference to support training.

3. Coordination and Approval. The AFCFM is the approval authority. MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. The AETC training manager for this specialty will initiate an annual review of this document by AETC and MFMs to ensure currency and accuracy. Using the list of courses in Part II, they will eliminate duplicate training.

Section B - Career Progression and Information

4. Specialty Description.

4.1. **Specialty Summary.** Maintains F-16/F-117A aircraft, support equipment, and forms and records. Performs and supervises flight chief, expediter, crew chief, aero repair, and maintenance support functions. Related DoD Occupational Subgroup: 600.

4.2. **Duties and Responsibilities.**

4.2.1. Services aircraft. Performs end-of-runway, postflight, preflight, thruflight, and phase inspections. Advises on problems maintaining, servicing, and inspecting aircraft and related aerospace equipment. Uses technical data to diagnose and solve maintenance problems on aircraft systems. Interprets and advises on maintenance procedures and policies to repair aircraft and related equipment.

4.2.2. Troubleshoots and maintains aircraft structures, systems, components, and related equipment. Removes and installs aircraft components. Conducts functional tests of repaired components and systems. Adjusts, aligns, and rigs aircraft systems. Supervises and performs aircraft jacking, lifting, and towing operations.

4.2.3. Inspects aircraft structures, systems, components, and related systems. Supervises and performs aircraft and component inspections. Interprets inspection findings and determines adequacy of corrective actions. Inspects and checks components for clearances, tolerances, proper installation, and operation. Inspects and operates powered and nonpowered aerospace ground equipment. Inspects and identifies aircraft corrosion for prevention and repair. Reviews maintenance forms, aircraft records, automated maintenance data systems, and historical reports to ensure complete documentation. Inventories and maintains aircraft equipment.

4.2.4. Performs flight chief, production superintendent, expediter, crew chief, aero repair, and maintenance support functions. Coordinates maintenance plans and schedules to meet operational commitments. Supervises and assists in launching and recovering aircraft. Reviews maintenance data collection summaries to determine trends and production effectiveness. Performs crash recovery duties. Performs staff and supervisory management functions.

5. Skill/Career Progression. Adequate training and timely progression from the apprentice to the superintendent skill level play an important role in the Air Force's ability to accomplish its mission. It is essential for everyone involved in training to do their part to plan, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual receives necessary training at appropriate points in their career. The following narrative and AFSC 2A3X3B career field table identify the skill/career progression.

5.2. **Apprentice (3) Level.** Following Basic Military Training, initial skills training will be provided in a resident course at the 82d Training Wing, Sheppard AFB TX. The course will lay the foundation for additional training at the graduate's first duty assignment. Trainees will utilize the Career Development Course (CDC), task qualification training, and other exportable courses to progress in their career field. Once the trainer task certifies the trainee, the trainee may perform that task unsupervised.

5.3. **Journeyman (5) Level.** Once upgraded to the 5-level, the journeyman will enter into continuation training to broaden their experience base by increasing their knowledge and skill in troubleshooting and solving more complex problems. Five-levels may be assigned job positions such as aircraft dedicated crew chief, quality assurance, aero repair, and various staff positions. After having 48 months in the Air Force, 5-levels will attend Airman Leadership School (ALS) to enhance their Professional Military Education (PME). Five levels will be considered for appointment as unit trainers. Individuals will use their CDCs to prepare for Weighted Airman Promotion testing. They should also consider continuing their education toward a Community College of the Air Force (CCAF) degree.

5.4. **Craftsman (7) Level.** A craftsman can expect to fill various supervisory and management positions such as expediter, shift leader, element chief, flight chief, task certifier, and various staff positions. Exportable MDS specific courses and MAJCOM/unit directed courses are also available. Seven-levels should take courses or obtain added knowledge of management of resources and personnel. Continued academic education through CCAF and higher degree programs is encouraged. In addition, when promoted to TSgt, individuals will attend the Noncommissioned Officer Academy.

5.5. **Superintendent (9) Level.** A 9-level can be expected to fill positions such as flight NCOIC, production supervisor, and various staff NCOIC jobs. Additional training in the areas of budget, manpower, resources, and personnel management should be pursued through continuing education. Individuals promoted to SMSgt will attend the Senior Noncommissioned Officer Academy. Additional higher education and completion of courses outside their career AFS is also recommended.

6. Training Decisions. This CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the F-16/F-117A Aircraft Maintenance career field. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy must ensure we develop affordable training, eliminate duplication and prevent a fragmented approach to training. The following training decisions were based on a career field Utilization and Training Workshop (U&TW) held 27-31 October 1997 at Sheppard AFB Texas.

6.1. **Initial Skills**. Training consists of an Aircraft Fundamentals course and specific follow-on courses. Fundamentals training consists of maintenance fundamentals, principles of flight, general aircraft systems, use of hand tools and technical orders, and operation/use of support equipment. The course is continually updated to provide emphasis on hands-on tasks. After fundamentals, students enter J3AQR2A333B 002 (aircraft specific training follow-on) course at Sheppard AFB Texas and receive expanded aircraft systems and task certification training on selected tasks. After training at Sheppard, students proceed to a "Hot" location (active flightline) at either Luke AFB Arizona for F-16s (J3ABP2A333B 002) or Holloman AFB New Mexico for F-117s (J3ABP2A333B 004). They receive certification training on various flightline tasks such as

launch and recovery, inspections, and servicing. This results in the award of apprentice skill level. The specific training accomplished and where the training is accomplished is shown in each weapons specific matrix in Part II of the CFETP. There were minor adjustments to the 3 level training. Classroom lecture time on engines was reduced, task certification on nose wheel steering system, fire overheat/warning system, and aerial refuel slipway door operational checks were eliminated, replacement of the airborne video tapes was deleted, rigging throttles was also deleted. Removal and installation of power take off shaft and some engine oil and fuel filters was reduced. Task certification was added on liquid oxygen servicing, and using the liquid oxygen carts. The MRT program is designed to certify basic students at the "3c" level on selected aircraft specific tasks at the technical school so they will be productive immediately upon arrival at their first duty section. A task certified apprentice means the individual can complete the task utilizing tech data, but may not meet local standards for speed. AETC instructors will document and certify the tasks (from the CFETP Qualitative Requirements) trained to the 3c proficiency level. **It is highly recommended that MRT students be placed on the flightline since the majority of their technical school training is flightline related.**

6.2. **Five Level Upgrade Requirements.** Considerable discussion took place at the U&TW on the content of 5-level CDCs. The issue centered around the 5-level CDCs being generic, while 7-level CDCs were F-16 specific. Field and MAJCOM representatives determined the generic CDCs met their needs. There were no changes made in 5-level CDCs or upgrade requirements.

6.3. **Seven Level Upgrade Requirements.** The U&TW representatives were briefed on the aircraft maintenance generic 7-level management CDCs. The group made the following changes: added Joint Oil Analysis Program (JOAP); added Express under Logistics Management, change Security to Force Protection, and change QAFA to C&SRL (Compliance and Standardization Requirements Listing). The MAJCOM representatives elected to use this CDC for 7-level upgrade. Material on the F-117 will be added to the 7-level technical CDCs. The CDC Writer will adjust the 7-level CDCs to incorporate the generic 7-level management CDC in Jan 99. There were minor changes made to the 7-level in-residence course.

6.4. **Continuation Training.** Any additional knowledge and skill requirements which were not taught through initial or upgrade training are assigned to unit training or Training Detachments. The purpose of the continuation training program is to provide additional training exceeding minimum upgrade training requirements with emphasis on present and future duty positions. MAJCOMs develop a proficiency training program that ensures individuals in the F-16/F-117A Aircraft Maintenance career field receive the necessary training at the appropriate point in their career. The program identifies both mandatory and optional training requirements.

7. Community College of the Air Force. Enrollment in CCAF occurs upon completion of basic military training. CCAF provides the opportunity to obtain an Associates in Applied Sciences Degree. In addition to its associates degree program, CCAF offers the following:

7.1. **Occupational Instructor Certification.** Upon completion of instructor qualification training, consisting of the Basic Instructor Course (BIC) and supervised practice teaching, CCAF instructors who possess an associates degree or higher may be nominated by their school commander/commandant for certification as an occupational instructor.

7.2. **Trade Skill Certification.** When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The College uses a competency based assessment process for trade skill certification at one of four proficiency levels: Apprentice,

Journeyman, Craftsman/Supervisor, or Master Craftsman/Manager. All are transcribed on the CCAF transcript.

7.3. **Degree Requirements.** All airmen are automatically entered into the CCAF program. Prior to completing an associates degree, the 5-level must be awarded and the following requirements must be met:

	Semester Hours
Technical Education……..	24
Leadership, Management, and Military Studies……	6
Physical Education……	4
General Education…….	15
Program Elective…….. (Technical Education; Leadership, Management, and Military Studies; or General Education)	15
Total…….	64

7.3.1. **Technical Education** (24 Semester Hours): Completion of the 2A333B aircraft specific courses (see course listing below) satisfies some semester hours of the technical education requirements. A minimum of 12 semester hours of Technical Core subjects/courses must be applied and the remaining semester hours applied from Technical Core/Technical Elective courses.

Course	Semester Hours
J3AQR2A333B 002 (F-16 and F-117A)……	29
J3ABP2A333B 002 (F-16 with J3AQR course included)……..	36
J3ABP2A333B 004 (F-117A)……	7
J3ABP2A333B 004 (F-117A with J3AQR course included)…….	36

NOTE: These are the hours listed for current courses. These hours may vary when changes are made to courses. CCAF will provide new hours.

7.3.2. **Leadership, Management, and Military Studies** (6 Semester Hours): Professional military education and/or civilian management courses.

7.3.3. **Physical Education** (4 Semester Hours): This requirement is satisfied by completion of Basic Military Training.

7.3.4. **General Education** (15 Semester Hours): Applicable courses must meet the criteria for application of courses to the General Education Requirements (GER) and be in agreement with the definitions of applicable General Education subjects/courses as provided in the CCAF General Catalog.

7.3.5. **Program Elective** (15 Semester Hours): Satisfied with applicable Technical Education; Leadership, Management, and Military Studies; or General Education subjects/courses, including natural science courses meeting GER application criteria. Six semester hours of CCAF degree applicable technical credit otherwise not applicable to this program may be applied. See the CCAF General Catalog for details regarding the Associates of Applied Science for this specialty.

7.4. **AETC Instructor Requirements**: Additional off-duty education is a personal choice that is

encouraged for all. Individuals desiring to become an Air Education and Training Command Instructor should be actively pursuing an associates degree. A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools.

8. Career Field Path

8.1. Enlisted Career Path:

Table 8.1 Enlisted Career Path				
Education and Training Requirements	**Grade Requirements**			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
Basic Military Training School				
Apprentice Technical School (3-Skill Level)	Amn A1C	6 months 16 months		
Upgrade To Journeyman (5-Skill Level) - Minimum 15 months on-the-job training. - Complete all 5-level core tasks on one MDS. - Complete appropriate CDC if/when available.	Amn A1C SrA	6 months 16 months 3 years	28 months	10 Years
Airman Leadership School (ALS) - Must be a SrA with 48 months time in service or be a SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).				
Trainer - Qualified and certified to perform the task to be trained. - Have attended the formal trainer's course and appointed in writing by Commander.	**Certifier** - Be at least a 5-skill level SSgt; and qualified and certified to perform the task being certified - Attend formal certifier course and appointed in writing by Commander. - Be a person other than the trainer.			
Upgrade To Craftsman (7-Skill Level) - Minimum rank of SSgt. - Complete all 5- and 7-level core tasks on one MDS. - 18 months OJT. - Complete appropriate CDC if/when available. - Advanced Technical School.	SSgt	7.5 years	3 years	20 Years
Noncommissioned Officer Academy (NCOA) - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt MSgt	12.5 years 16 years	5 years 8 years	20 Years 24 Years
USAF Senior NCO Academy (SNCOA) - Must be a SMSgt or SMSgt Selectee. - A percentage of top nonselect (for promotion to E-8) MSgts attend the SNCOA each year. - Resident graduation is a prerequisite for CMSgt sew-on (Active Duty Only).	SMSgt	19.2 years	11 years	26 Years
Upgrade To Superintendent (9-Skill Level) - Minimum rank of SMSgt. - Must be a resident graduate of SNCOA (Active Duty Only).	CMSgt	21.5 years	14 years	30 Years

8.2. **Education and Training Manager Checklist:**

Table A8.2. Base Education and Training Manager Checklist		
Requirements for Upgrade to:	**Y**	**N**
Journeyman - Has the apprentice completed mandatory CDCs, if available? - Has the apprentice completed all 5-level core tasks on one MDS aircraft identified in the CFETP? - Has the apprentice completed all other duty position tasks identified by the supervisor? - Has the apprentice completed 15 months upgrade training (9 months for retrainees)? - Has the apprentice met mandatory requirements listed in specialty description, AFMAN 36-2108 (Airman Classification), and CFETP? - Has the apprentice been recommended by their supervisor?		
Craftsman - Has the journeyman achieved the rank of SSgt? - Has the journeyman completed mandatory CDCs, if available? - Has the journeyman completed all 5- and 7-level core tasks on one MDS aircraft identified in the CFETP? - Has the journeyman completed all other duty position tasks identified by the supervisor? - Has the journeyman attended 7-skill level Craftsman Course (if available)? **First, they must complete:** -- All 5- and 7-skill level core and duty position training requirements listed in the CFETP. -- All applicable mandatory CDCs and/or exportable courses. -- A minimum of 12 months UGT (6 months for retrainees). - Has the journeyman completed a minimum 18 months UGT (12 months for retrainees) for award of the 7-skill level?		

TO: Squadron/CC

FROM: Squadron Training Manager

SUBJECT: Upgrade _____(Trainee Name)

Trainee is prepared to be upgraded and has completed all mandatory training requirements. Supervisor recommends upgrade.

_____ _____

Training Manager Supervisor

Section C - Skill Level Training Requirements

9. Purpose. Skill level training requirements in the 2A3X3B career field are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in broad, general terms and establishes the mandatory requirements for entry, award and retention of each skill level. The specific task and knowledge training requirements are identified in the STS at Part II, Sections A and B of this CFETP.

10. Specialty Qualifications:

10.1**. Apprentice Level Training:**

10.1.1. **Specialty Qualification.**

10.1.1.1. **Knowledge**. Knowledge is mandatory of; principles applying to aircraft systems; concepts and application of maintenance directives and data reporting; using technical data; Air Force supply and deficiency reporting procedures; and proper handling, use, and disposal of hazardous waste and materials.

10.1.1.2. **Education**. For entry into this specialty, completion of high school is desirable with courses in physics, hydraulics and electronics.

10.1.1.3. **Training**. For award of AFSC 2A333B, completion of a suffix specific basic aircraft maintenance course is mandatory.

10.1.1.4. **Experience.** None

10.1.1.5. **Other**. For entry into this specialty, normal color vision as defined in AFI 48-123, *Medical Examination and Standards*, is mandatory. For award and retention of AFSC 2A333B, eligibility for a Secret security clearance according to AFI 31-501 is mandatory.

10.1.2. **Training Sources and Resources.** The 3-level initial skills course will provide the required knowledge, qualification, and if applicable certification. Training will focus on increasing "hands-on" time with task performance as the learning foundation. This strategy allows current weapon system specific training to be included in the initial skills course. Initial skills training consists of aircraft principles, system theory and operation, system components, component removal and installation, introduction to maintenance concepts, general flightline maintenance practices, use of technical publication, maintenance documentation, and AGE/SE equipment familiarization and use.

10.1.3. **Implementation.** Upon graduation from Basic Military Training (BMT) completion of courses J3ATR2A020 001, Aircraft Maintenance Fundamentals and J3AQR2A333B 002, Fighter Aircraft Maintenance Apprentice (F-16), are prerequisites for courses J3ABP2A333B 002, Fighter Aircraft Maintenance Apprentice (F-16), or J3ABP2A333B 004, Fighter Aircraft Maintenance Apprentice (F-117A). These combinations satisfy the knowledge and training resource requirements for award of the 3-skill level. All courses are conducted at Sheppard AFB Texas except J3ABP2A333B 002 (conducted at Luke AFB Arizona) and J3ABP2A333B 004 (conducted by the Training Detachment at Holloman AFB New Mexico).

10.2. **Journeyman Level Training:**

10.2.1 **Specialty Qualification.**

10.2.1.1. **Knowledge.** In addition to the 3-level qualifications, a 5-skill level must possess the knowledge and skills necessary to maintain F-16/F-117A aircraft. A 5-level must be task qualified on inspecting aircraft and associated systems, analyzing and correcting system malfunctions, repairing and replacing aircraft system components, operational checks, and use and maintenance of test and support equipment.

10.2.1.2. **Education.** There are no additional education requirements beyond those defined for the apprentice level. However, completion of a CCAF degree is desirable.
10.2.1.3. **Training.** For award of AFSC 2A353B, the 5-level CDC provides the career knowledge training required. Qualification training and OJT will provide training and qualification on the core tasks identified in the STS. The CDC is written to build from the trainee's current knowledge base, and provides more in-depth knowledge to support OJT requirements.
10.2.1.4. **Experience.** Qualification in and possession of AFSC 2A333B. Also, experience in functions such as repairing and maintaining aircraft or related installed equipment.
10.2.1.5. **Other.** For entry into this specialty, normal color vision as defined in AFI 48-123 is mandatory. For award and retention of AFSC 2A353B, eligibility for a Secret security clearance according to AFI 31-501 is mandatory.
10.2.2. **Training Sources and Resources.** A minimum of 15 months on-the-job training, completion of the 2A353 CDC and 5-level core tasks represent the resources needed for award of the 5-skill level.
10.2.3. **Implementation.** Training to the 5-level is performed by the units utilizing the STS, exportable courses, and CDCs. Upgrade to the 5-level requires completion of the basic 2A353 CDC, completion of all core tasks on one MDS aircraft, and 15 months upgrade training.
10.3. **Craftsman Level Training:**
10.3.1 **Specialty Qualification.**
10.3.1.1. **Knowledge.** In addition to the 5-level qualifications, an individual must possess advanced skills and knowledge of theory, concepts, principles and application of F-16/F-117A aircraft systems. The 7-level must be able to supervise and train personnel to maintain aircraft systems. They must be able to plan, schedule, and organize maintenance to ensure effective utilization of available resources. Qualification is required on advanced repair, inspection, troubleshooting, and diagnostic techniques.
10.3.1.2. **Education.** There are no additional education requirements beyond those defined for the apprentice level. However, completion of a CCAF degree is desirable.
10.3.1.3. **Training.** Completion of mandatory CDCs, 7-level core tasks, and resident 7-level course are mandatory for upgrade to 2A373B.
10.3.1.4. **Experience.** Qualification in and possession of AFSC 2A353B. Also, experience performing or supervising functions such as installing, inspecting repairing, or overhauling aircraft structures, systems, and components.
10.3.1.5. **Other.** For entry into this specialty, normal color vision as defined in AFI 48-123 is mandatory. For award and retention of AFSC 2A373B, eligibility for a Secret security clearance according to AFI 31-501 is mandatory.
10.3.2. **Training Sources and Resources.** Completion of the J3ACR2A373B 000 course at Sheppard AFB Texas, completion of CDCs 2A373B and 2AX7X, along with supervisor certification of Air Force directed core tasks represent the resources required for award of the 7-skill level. The Course Objective List (COL) listed in Part II lists the training rendered at the 7-level resident course at Sheppard AFB Texas.
10.3.3. **Implementation.** Upgrade to the 7-level will require completion of all AF core tasks, 18 months OJT as a SSgt, completion of the 7-level CDCs and resident 7-level course at Sheppard AFB Texas. Completion of AF core tasks, 7-level CDCs, and 12 months OJT as a SSgt (6 months for retrainee) will be completed before attending the resident course.

10.4. **Superintendent Level Training:**
10.4.1 **Specialty Qualification.**
10.4.1.1. **Knowledge.** Knowledge is mandatory of: electrical and mechanical principles applying to aircraft and SE; concepts and application of maintenance directives; maintenance data reporting; interpreting and use of maintenance data reports and technical orders; Air Force supply and deficiency reporting procedures; resource management; and proper handling, use, and disposal of hazardous waste and materials.
10.4.1.2. **Education.** There are no additional education requirements beyond those defined for the apprentice level. However, completion of a CCAF degree is desirable.
10.4.1.3. **Training.** For award of AFSC 2A390, completion of Senior NCO Academy in residence, and unit OJT is mandatory.
10.4.1.4. **Experience.** For award of AFSC 2A390, qualification in and possession of AFSC 2A371, 2A372, or 2A373X is mandatory. Also, experience is mandatory managing or directing functions such as inspecting or maintaining aircraft and SE.
10.4.1.5. **Other.** Not used.
10.4.2. **Training Sources/Resources.** Instruction received at the Senior NCO Academy and duty position qualification represent the required resources for upgrade to the 9-skill level.
10.4.3. **Implementation.** The 9-level will be awarded after completing MAJCOM requirements, unit OJT, and promotion to SMSgt. Individuals will attend the Senior NCO Academy after they are selected for promotion to SMSgt.

Section D - Resource Constraints

11. Purpose. This section identifies known resource constraints which preclude optimal/desired training from being developed or conducted, including information such as cost and manpower. Narrative explanations of each resource constraint and an impact statement describing what effect each constraint has on training are included. Also included in this section are actions required, office of primary responsibility, and target completion dates. Resource constraints will be, as a minimum, reviewed and updated annually.

12. Apprentice Level Training: There are no 3-level constraints.

13. Five Level Training: There are no 5-level constraints.

14. Seven-Level Training: There are no 7-level constraints.

Section E. - Transitional Training Guide. There are no transition training requirements. This area is reserved.

Part II

Section A - Specialty Training Standard

1. Implementation. This STS will be used for technical training provided by AETC for classes beginning in October 1998 and graduating March 1999.
2. Purpose. As prescribed in AFI 36-2201, this STS:
2.1. Lists in column 1 (Task, Knowledge, and Technical Reference) the most common tasks, knowledge, and technical references (TR) necessary for airmen to perform duties in the 3-, 5-, and 7-skill level. Items in column 1 marked with an asterisk (*) are task/knowledge that are trained in resident wartime courses.
2.2. Column 2 (Core Tasks) identifies, by asterisk (*), specialty-wide training requirements. Core tasks identified with an *R are optional for AFRC and ANG. As a minimum, certification on all shop/flightline core tasks applicable to one Mission Design Series (MDS) aircraft assigned must be completed for skill level upgrade. Core task exemptions: (1) core tasks which are not applicable to base assigned aircraft or equipment are not required for upgrade (units are not required to send personnel TDY for core task training); (2) units are not exempt from minimum core task training if aircraft/equipment are assigned to another unit on base, and (3) core tasks on more than one assigned MDS are not required unless deemed mandatory by the MAJCOM FM, unit, and/or supervisor.
2.3. Provides certification for OJT. Column 3 is used to record completion of tasks and knowledge training requirements. Use automated training management systems to document technician qualifications, if available. Task certification must show a certification/completed date.
2.4. Show formal training and correspondence course requirements. Column 4 shows the proficiency to be demonstrated on the job by the graduate as result of training on the task/knowledge and the career knowledge provided by the correspondence course. When two codes are used in columns 4 (e.g. 2b/b), the first code is the established requirement for resident training on the task/knowledge, and the second code indicates the level of training provided in the course due to equipment shortages or other resource constraints. See CADRE/AFSC/CDC listing maintained by the unit training manager for current CDC listing.
2.5. **Qualitative Requirements:** Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.
2.6. **Job Qualification Standard:** Becomes a Job Qualification Standard (JQS) for on-the-job training (OJT) when placed in the AF Form 623, **On-the-Job Training Record**, and used according to AFI 36-2201. For OJT, the tasks in column 1 are trained and qualified to the go/no go level. "Go" means the individual can perform the task without assistance and meets local requirements for accuracy, timeliness, and correct procedures. When used as a JQS, the following requirements apply:
2.6.1. **Documentation:** Document and certify training IAW AFMAN 36-2247, Chapter 5. Automated records, utilizing Core Automated Management System (CAMS) or Integrated Maintenance Data System (IMDS)/Global Combat Support System (GCSS), reflecting this STS may be used and are highly encouraged. MAJCOMs may designate additional core tasks other than those already identified in the CFETP. There are no approved AFJQS for this AFSC.

2.6.1.1. **Certification.** Certify training IAW AFM 36-2247, para 5-9. Identify duty position requirements by circling (in pencil) the subparagraph number next to the task statement. As a minimum, complete the following columns: date training completed, trainee initials, trainer initials, and certifier initials (core tasks only). Trainers may sign off non-core and non-critical tasks by initialing the trainer's column; third party certification is not required for non-core and non-critical tasks.
2.6.1.2. **Converting from Old Document to CFETP:** Transcribe records IAW AFMAN 36-2247. All AFJQSs and previous CFETPs are replaced by this CFETP; therefore, conversion of all training records to this CFETP STS is mandatory. Automated records reflecting this STS may be used and are highly encouraged. Use this CFETP STS (or automated STS) to identify and certify all past and current qualifications. For core/critical tasks previously certified and required in the current duty position, evaluate current qualifications and, when verified, recertify using current date as completion date and trainee, and certifier initials (the trainer's initials are not required). For non-core and non-critical tasks only the trainer and trainee initials are required. For previously certified tasks not required in the current duty position, carry forward ***only*** the previous completion date. If and when these tasks become a duty position requirement, recertify using standard certification procedures. The person whose initials appear in the trainer or certifier's block must meet the requirements of their respective roles. Return all old training records and contents to the trainee to retain for historical data.
2.6.1.3. **Documenting Career Knowledge:** When a CDC is not available: the supervisor identifies CFETP part II training references that the trainee requires for career knowledge and ensures, as a minimum, that trainees cover the mandatory items in AFI 26-2108. CDC information in **all** attachments is mandatory for five and seven-level upgrade. For two-time CDC course exam failures: supervisors identify all Part II items corresponding to the areas covered by the CDC. The trainee completes a study of references, undergoes evaluation by the task certifier, and receives certification on the CFETP Part II. Supervisors must document successful completion of career knowledge prior to submitting a CDC waiver.
2.6.1.4. **Decertification and Recertification:** When an airman is found to be unqualified on a task previously certified for his or her position, the supervisor lines through the previous certification or deletes previous certification when using automated system. Appropriate remarks are entered on the AF Form 623A, **On-The-Job Training Record Continuation Sheet**, as to the reason for decertification. The individual is recertified (if required) either by erasing the old entries and writing in the new or by using correction fluid/tape (if the entries are in ink) over the previously certified entry.
2.6.2. **AF Form 797**. When additional items not listed in the CFETP Part II are necessary in the current duty assignment, enter them on the AF Form 797. Fill out the form IAW AFMAN 36-2247.
2.6.3. **Disposition of Training Records**. Upon separation, retirement, commissioning, or promotion to Master Sergeant (unless otherwise directed by the AFCFM, MAJCOM, unit commander, or supervisor), give the individual their training records. Also, give individuals outdated training records after transcribing records. Do not remove any training records that show past qualifications unless transcribed to a new CFETP/AFJQS. For example, an individual working in a tool crib or staff position must maintain documented career field qualifications in case they return to direct maintenance duty in the shop. Supervisors must exercise good judgment when removing training records not needed in current duty positions.

2.7. Is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Measurement Squadron by senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in chapter 14 of AFI 36-2606, *US Air Force Reenlistment, Retention, and NCO Status Programs*. WAPS is not applicable to the Air National Guard or Air Force Reserve.

3. Recommendations. Report unsatisfactory performance of individual course graduates to the AETC training manager at 362 TRS/TRR, 613 10TH Avenue, Sheppard AFB TX, 76311-2352, DSN 736-1825. Reference specific STS paragraphs. A customer service information line has been installed for the supervisor's convenience to identify graduates who may have received training on task/knowledge items listed in this training standard. For a quick response to problems, call our customer service information line, DSN 736-5236.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

JOHN W. HANDY, Lieutenant General, USAF
DCS/Installations and Logistics

5 Attachments
1. Proficiency Code Key
2. STS 2A3X3B
3. F-16 Qualitative Requirements
4. F-117A Qualitative Requirements
5. F-16 MRT Matrix

This Block Is For Identification Purposes Only		
Name Of Trainee		
Printed Name (*Last, First, Middle Initial*)	Initials (Written)	SSAN

Printed Name Of Training/Certifying Official And Written Initials	
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***

QUALITATIVE REQUIREMENTS

Proficiency Code Key		
	Scale Value	Definition: The individual
Task Performance Levels	1	**IS EXTREMELY LIMITED** (Can do simple parts of the task. Needs to be told or shown how to do most of the task.)
	2	**IS PARTIALLY PROFICIENT** (Can do most parts of the task. Needs only help on hardest parts.)
	3	**IS COMPETENT** (Can do all parts of the task. Needs only a spot check of completed work.)
	4	**IS HIGHLY PROFICIENT** (Can do the complete task quickly and accurately. Can tell or show others how to do the task.)
*Task Knowledge Levels	a	**KNOWS NOMENCLATURE** (Can name parts, tools, and simple facts about the task.)
	b	**KNOWS PROCEDURES** (Can determine step by step procedures for doing the task.)
	c	**KNOWS OPERATING PRINCIPLES** (Can identify why and when the task must be done and why each step is needed.)
	d	**KNOWS ADVANCED THEORY** (Can predict, isolate, and resolve problems about the task.)
**Subject Knowledge Levels	A	**KNOWS FACTS** (Can identify basic facts and terms about the subject.)
	B	**KNOWS PRINCIPLES** (Can identify relationship of basic facts and state general principles about the subject.)
	C	**KNOWS ANALYSIS** (Can analyze facts and principles and draw conclusions about the subject.)
	D	**KNOWS EVALUATION** (Can evaluate conditions and make proper decisions about the subject.)

Explanations

***** A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Example: b and 1b)

** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.

- This mark is used alone instead of a scale value to show that no proficiency training is provided in the courses or CDCs.

X This mark is used in course columns to show that training is required but not given due to limitations in resources (3c/b, 2b/b etc.).

Note: Tasks and knowledge items shown with an asterisk (*) in column one are trained during war time. The 7-level course is not taught during war time.

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
NOTE 1: Users are responsible for annotating training references to identify current references pending STS revision.											
NOTE 2: Items in column 1 marked with an asterisk (*) are task/knowledge that are trained in resident wartime courses. The resident 7 level course will not be taught during wartime.											
NOTE 3: Items in column 2 marked with an asterisk (*) are the core tasks for either the 5 or 7 skill level and are required for upgrade.											
NOTE 4: Codes in STS column 4a(1) denote Aircraft Maintenance Fundamentals Course J3ATR2A020 001.											
NOTE 5: All applicable safety and inspection requirements, TOs/corrosion, FOD, use of aircraft equipment, tools and hardware necessary to properly perform maintenance are integrated throughout training.											
NOTE 6: Use of equipment items A2.20.5. and A2.20.14. will be simulated.											
NOTE 7: Personnel must complete CDC requirements on all MDSs/attachments.											
A2.1. CAREER LADDER INFORMATION TR: AFM 36-2108											
A2.1.1. Accountability and core values								-	-	-	B
A2.1.2. Mobility								-	-	-	A
A2.1.3. Progression in career ladder 2A3X3B								A	-	-	-
A2.1.4. Duties of AFS 2A3X3B								B	-	-	-
*A2.2. OPERATIONS SECURITY (OPSEC) VULNERABILITY OF AFSC 2A3X3B TR: AFI 10-1101								A	-	-	-
A2.3. AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM TR: Applicable AFOSH Standards; Aircraft TO, AFI 91-301											
*A2.3.1. Housekeeping consistent with safety of personnel and equipment								A	B	-	-
A2.3.2. Safety precautions pertaining to aircraft maintenance											
*A2.3.2.1. Engine air intake and exhaust								A	B	-	-
*A2.3.2.2. High intensity sound								A	B	-	-
*A2.3.2.3. Turbine plane of rotation								A	B	-	-
*A2.3.2.4. Radio frequency radiation								A	B	-	-

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
*A2.3.2.5. Ground handling of aircraft TR: AFI 11-218, TO 00-25-172								A	B	-	-
*A2.3.2.6. Hot brakes								A	B	-	-
*A2.3.2.7. Use of tools and equipment								A	B	-	-
*A2.3.2.8. Servicing aircraft systems TR: TO 00-25-172								A	B	-	-
*A2.3.2.9. Cleaning agents								A	B	-	-
*A2.3.2.10. Solvents								A	B	-	-
*A2.3.2.11. Lubricants								A	B	-	-
A2.3.3. Fire extinguishers AFI 32-2001											
*A2.3.3.1. Inspect								2b	B	-	-
*A2.3.3.2. Position								2b	B	-	-
*A2.3.3.3. Operate								b	-	-	-
*A2.3.4. Foreign Object Damage (FOD) Prevention Program TR: AFI 21-101								B	-	-	A
A2.3.5. Dropped Object Prevention Program								-	A	-	-
A2.3.6. Hazardous chemicals TR: AFOSH Std 161-21											
*A2.3.6.1. Use								A	B	-	-
*A2.3.6.2. Disposal								A	B	-	-
*A2.3.6.3. Hazard Communication Training Program								B	-	-	-
A2.3.6.4. Hazardous material handling procedures								-	-	-	B
A2.4. MAINTENANCE DIRECTIVES, INSTRUCTIONS AND REFERENCES TR: AFI 37-160 v1, AFI 21-3, TOs 00-5-1, 00-5-2											
*A2.4.1. TO system								A	B	-	-

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
*A2.4.2. Air Force manuals and instructions								A	B	-	-
*A2.4.3. Use technical publications								2b	-	-	-
*A2.4.4. Tech Order Improvement Reporting								A	B	-	-
A2.4.5. Tech order management								-	-	-	B
A2.5. SUPERVISION TR: AFI 21-101											
A2.5.1. Plan maintenance								-	-	-	-
A2.5.2. Schedule maintenance and personnel								-	-	-	-
A2.5.3. Supervise personnel accomplishing maintenance								-	-	-	-
A2.5.4. Establish											
A2.5.4.1. Work methods								-	-	-	-
A2.5.4.2. Work controls								-	-	-	-
A2.5.4.3. Performance standards								-	-	-	-
A2.5.5 Evaluate work performance of subordinate personnel TR: AFI 36-2403								-	-	-	-
A2.5.6. Participate in USAF Graduate Evaluation Program TR: AFI 36-2201								-	-	-	-
A2.6. TRAINING TR: AFI 36-2201											
A2.6.1. Evaluate personnel for training								-	-	-	-
A2.6.2. Plan and supervise OJT											
A2.6.2.1. Prepare job qualification standards								-	-	-	-
A2.6.2.2. Counsel trainees on training progress								-	-	-	-
A2.6.2.3. Monitor effectiveness of											
A2.6.2.3.1. Career knowledge upgrade training								-	-	-	-

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.6.2.3.2. Position qualification training								-	-	-	-
A2.6.3. Specialty Training											
A2.6.3.1. Training management and training records								-	-	-	B
A2.6.3.2. Document training records								-	-	B	B
A2.6.3.3. Career Field Education and Training Plan (CFETP)								-	-	-	B
A2.6.3.4. Specialty Training Standard (STS)								-	-	-	B
A2.6.3.5. Occupational Survey Report (OSR)								-	-	-	B
A2.6.3.6. Utilization and Training Workshop (U&TW)								-	-	-	B
A2.6.3.7. Training Request								-	-	-	A
A2.6.4. Evaluate effectiveness of training programs								-	-	-	-
A2.6.5. Recommend personnel for training TR: AFCAT 36-2223, AFI 36-2101, AFM 36-2108, AFI 10-204								-	-	-	-
A2.6.6. OJT trainer requirements											
A2.6.6.1. Prepare teaching outlines on task breakdowns								-	-	-	-
A2.6.6.2. Provide trainees theory and train on actual equipment								-	-	-	-
A2.6.6.3. Provide feedback on training provided								-	-	-	-
A2.6.7. OJT task certifier requirements											
A2.6.7.1. Develop methods of evaluation to determine trainee knowledge/ qualification, and training effectiveness								-	-	-	-
A2.6.7.2. Use appropriate methods of evaluation								-	-	-	-

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
and effectively determine trainee's ability											
A2.6.7.3. Provide supervision and trainer feedback on results of training provided and trainee's strengths/weakness								-	-	-	-
A2.7. MAINTENANCE MANAGEMENT TR: AFI 21-101, AFI 21-118											
A2.7.1. Basic functions within maintenance								A	B	-	B
A2.7.2. Operations/Logistics Group Commander Responsibilities								-	-	-	B
A2.7.3. Aircraft Maintenance Management Information Systems								-	-	-	B
A2.7.4. Aircraft Monitoring								-	-	-	B
*A2.7.5. Maintenance Data Collection TR: TO 00-20 Series								A	B	-	-
A2.7.6. Logistics maintenance management								-	-	-	B
A2.7.7. Base resource functions/ interactions								-	-	B	-
A2.7.8. Processing and controlling material								-	-	-	B
A2.7.9. Management of training								-	-	-	-
A2.7.10. Resource management								-	B	-	B
A2.7.11. Status of Resources and Training (SORTS)								-	-	-	A
A2.7.12. Compliance and Standardization Requirements Listing (CSRL)								-	-	-	A
A2.7.13. Maintenance Quality Performance Measures (QPM) Relationships								-	-	-	B
A2.7.14. Personnel management and interaction								-	-	B	B
A2.7.15. Expediter, production supervisor, and flight chief duties and responsibilities								-	-	-	B

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.7.16. Budget Management								-	-	-	B
A2.7.17. Financial Plan (FIN Plan)								-	-	-	A
A2.7.18. Due In From Maintenance (DIFM) Control TR: AFMAN 23-110; TO 00-20-3								-	-	B	B
A2.7.19. Equipment Account Management								-	-	B	B
A2.7.20. Maintenance Accountability								-	-	C	-
A2.7.21. Maintenance incident investigation and prevention								-	-	C	B
A2.8. Maintenance Data Collection (MDC) System TR: TO 00-20 Series											
A2.8.1. Automated maintenance systems								-	-	-	A
*A2.8.2. Use Core Automated Maintenance System (CAMS)								2b	B	-	-
*A2.8.3. Use Maintenance Data Collection forms								2b	B	-	-
A2.8.4. Job data documentation								-	-	-	B
*A2.8.5. Product Deficiency Reporting (PDR) TR: TO 00-35D-54								A	B	-	B
A2.8.6. Product Improvement Working Groups (PIWG)								-	-	-	A
A2.8.7. Aircraft Battle Damage Repair (ABDR) TR: 1-1H-39								-	B	-	-
A2.8.8. Historical records								-	-	-	B
A2.8.9. Status reports								-	-	-	B
A2.8.10. Forms (781s and 244s)								-	-	-	B
A2.8.11. Configuration management								-	-	-	B
A2.8.12. Computers and computer usage											
A2.8.12.1. Using applications								-	-	-	A

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.8.12.2. Operating systems								-	-	-	A
A2.8.12.3. Hardware								-	-	-	A
A2.8.12.4. Local Area Networks (LAN)								-	-	-	A
A2.9. MAINTENANCE MATERIALS AND TOOLS TR: TO 1-1A-8, 1-1A-14, -32 Series											
A2.9.1. Select special tools								-	-	-	-
A2.9.2. Use special tools								-	-	-	-
A2.9.3. Process TMDE equipment								-	-	-	-
A2.9.4.. Hardware											
*A2.9.4.1. Purpose								A	B	-	-
*A2.9.4.2. Use								2b	-	-	-
A2.9.5. Electrical connectors											
*A2.9.5.1. Purpose								A	B	-	-
*A2.9.5.2. Use								2b	-	- -	- -
A2.9.6. Securing devices											
*A2.9.6.1. Purpose								A	B	-	-
*A2.9.6.2. Use								2b	-	-	-
*A2.9.7. Lubricants								A	B	-	-
*A2.9.8. Sealants								A	B	-	-
*A2.9.9. Adhesives								A	B	-	-
*A2.9.10. Cleaning agents TR: TO 1-1-691								A	B	-	-
A2.9.11. Hand tools TR: Applicable AFOSH Stds, TO –32 Series											
*A2.9.11.1. Select								2b	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
*A2.9.11.2. Use								2b	-	-	-
A2.9.12. Measuring tools TR: Applicable AFOSH Stds, TO -32 Series											
*A2.9.12.1. Select								2b	B	-	-
*A2.9.12.2. Use								2b	B	-	-
*A2.9.13. Use Multimeter								1b	B	-	-
A2.9.14. Torque wrench TR: Applicable AFOSH Stds, TO -32 Series											
*A2.9.14.1. Select								2b	-	-	-
*A2.9.14.2. Use								2b	B	-	-
A2.9.15. Tool control								B	-	-	-
A2.10. RESPONSIBILITY FOR SUPPLY TR: AFM 23-110V2CD, AFI 21-101, AFI 21-118											
A2.10.1. Maintenance supply concept								-	B	-	B
A2.10.2. Standard Base Supply System (SBSS)								-	-	-	B
A2.10.3. Obtain information for special requisition and turn-in slips								-	B	-	-
*A2.10.4. Ordering parts								A	B	-	-
A2.10.5. Priority system								-	-	-	B
*A2.10.6. Preparing repairable and serviceable parts for turn-in								A	B	-	-
A2.10.7. Repair cycle assets								-	-	-	B
A2.10.8. Local manufacture of parts								-	-	-	-
A2.10.9. Supply documents management								-	-	-	B

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.10.10. Classified asset handling								-	-	-	A
A2.10.11. Land mobile radios, pagers, and cell phones								-	-	-	A
A2.11. AIRCRAFT GENERAL											
*A2.11.1. Use aircraft and supporting maintenance records TR: TO 00-20 Series								2b	B	-	-
A2.11.2. Determine weight and balance procedures								-	-	-	-
A2.11.3. Inventory aircraft equipment TR: AFI 21-103								-	-	-	-
*A2.11.4. Engine and support warranty TR: TOs 00-35D-54 & 00-20-3								A	B	-	-
A2.11.5. Corrosion control program TR: TO 1-1-691											
*A2.11.5.1. Aircraft cleaning								A	B	-	-
*A2.11.5.2. Corrosion identification								A	B	-	-
*A2.11.5.3. Corrosion treatment								A	B	-	-
A2.11.6. Aircraft inspection TR: TO 00-20-5											
*A2.11.6.1. Concepts								A	-	-	-
*A2.11.6.2. Perform Preflight Inspection								1b	-	-	-
*A2.11.6.3. Perform Basic Postflight Inspection								1b	-	-	-
*A2.11.7. Ground handling TR: AFI 11-218, Applicable AFOSH Stds, TO 00-25-172, Aircraft TOs								A	B	-	-
A2.11.8. Crash recovery								-	B	-	-
A2.12. AIRFRAME TR: Aircraft TO											
*A2.12.1. Airframe structure								A	B	-	-

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
*A2.12.2. Remove/install airframe components								1b	-	-	-
*A2.12.3. Inspect airframe components								1b	-	-	-
A2.13 LANDING GEAR TR: Aircraft TO											
*A2.13.1. Landing gear fundamentals								A	B	-	-
A2.13.2. Service											
*A2.13.2.1. Shock strut								1b	-	-	-
*A2.13.2.2. Tire								1b	-	-	-
A2.13.3. Remove/Install											
*A2.13.3.1. Wheel and tire assembly								1b	-	-	-
*A2.13.3.2. Brake assembly								1b	-	-	-
*A2.13.4. Bleed brakes								1b	-	-	-
*A2.13.5. Inspect landing gear								1b	-	-	-
A2.13.6. Troubleshoot								-	B	-	-
A2.14. UTILITIES TR: Aircraft TO											
*A2.14.1. Utility system fundamentals								A	B	-	-
A2.14.2. Operate											
*A2.14.2.1. Oxygen system								1b	-	-	-
*A2.14.2.2. Fire/Overheat warning system								1b	-	-	-
A2.14.3. Inspect											
*A2.14.3.1. Oxygen system								1b	-	-	-
*A2.14.3.2. Fire/Overheat warning system								1b	-	-	-
A2.15. FLIGHT CONTROLS TR: Aircraft TO											
*A2.15.1. Flight control system fundamentals								A	B	-	-

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
*A2.15.2. Operate								1b	-	-	-
A2.15.3. Flight control components											
*A2.15.3.1. Identification								A	-	-	-
*A2.15.3.2. Inspect								1b	-	-	-
A2.15.3.3. Troubleshoot								-	B	-	-
A2.16. HYDRAULICS TR: Aircraft TO											
*A2.16.1. Hydraulics system fundamentals								A	B	-	-
A2.16.2. Service											
*A2.16.2.1. Reservoir								1b	-	-	-
*A2.16.2.2. Accumulator								1b	-	-	-
*A2.16.3. Remove/Install hydraulic components								1b	-	-	-
*A2.16.4. Inspect hydraulic system								1b	-	-	-
A2.16.5. Troubleshoot								-	B	-	-
A2.17. ENGINES TR: Aircraft TO											
*A2.17.1. Engine system fundamentals								A	B	-	-
A2.17.2. Engine components											
*A2.17.2.1. Identify								1b	-	-	-
*A2.17.2.2. Inspect								1b	-	-	-
*A2.17.3. Oil system servicing								a	-	-	-
*A2.17.4. Take JOAP sample								1b	-	-	-
A2.17.5. Joint Oil Analysis Program								-	B	-	-
A2.17.6. Troubleshoot								-	-	-	-

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.18. FUELS TR: Aircraft TO											
*A2.18.1. Fuel system fundamentals								A	A	-	-
*A2.18.2. Operate system								1b	-	-	-
*A2.18.3. Inspect fuel system								1b	-	-	-
A2.18.4. Classify fuel leaks								-	-	-	-
A2.18.5. Troubleshoot								-	-	-	-
A2.19. ELECTRICAL TR: Aircraft TO											
*A2.19.1. Electrical system fundamentals								A	B	-	-
*A2.19.2. Operate system								1b	-	-	-
*A2.19.3. Remove/Install electrical components								1b	-	-	-
*A2.19.4. Inspect electrical system								1b	-	-	-
A2.19.5. Troubleshoot								-	-	-	-
A2.20. AEROSPACE GROUND EQUIPMENT TR: AFOSH Stds 91-66, 91-100											
A2.20.1. Maintenance stands TR: AFOSH Std 91-2, TO 35A4 Series											
*A2.20.1.1. Purpose and description								A	B	-	-
*A2.20.1.2. Perform pre-use inspection								2b	-	-	-
*A2.20.1.3. Operate								2b	-	-	-
A2.20.2. Engine stand and dollies TR: 35D3 Series											
A2.20.2.1. Purpose and description								-	B	-	-
A2.20.2.2. Perform pre-use inspection								-	-	-	-
A2.20.2.3. Operate								-	-	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.20.3. Aircraft jacks TR: TO 35A2 Series											
*A2.20.3.1. Purpose and description								A	B	-	-
*A2.20.3.2. Perform pre-use inspection								2b	-	-	-
*A2.20.3.3. Operate								2b	-	-	-
A2.20.4. Gaseous oxygen servicing equipment TR: TO 37C2-8											
*A2.20.4.1. Purpose and description								A	B	-	-
*A2.20.4.2. Perform pre-use inspection								1b	-	-	-
*A2.20.4.3. Operate								1b	-	-	-
A2.20.5. Liquid oxygen servicing equipment TR: TO 37C2-8											
*A2.20.5.1. Purpose and description								A	B	-	-
*A2.20.5.2. Perform pre-use inspection								1b	-	-	-
*A2.20.5.3. Operate								1b	-	-	-
A2.20.6. Air compressors TR: TO 34Y1 Series											
*A2.20.6.1. Purpose and description								A	B	-	-
*A2.20.6.2. Perform pre-use inspection								2b	-	-	-
*A2.20.6.3. Operate								2b	-	-	-
A2.20.7. Ground heaters and blowers TR: TO 35E7 Series											
*A2.20.7.1. Purpose and description								A	B	-	-
*A2.20.7.2. Perform pre-use inspection								2b	-	-	-
*A2.20.7.3. Operate								2b	-	-	-
A2.20.8. Generator Sets TR: TO 35C2 Series											
*A2.20.8.1. Purpose and description								A	B	-	-

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
*A2.20.8.2. Perform pre-use inspection								2b	-	-	-
*A2.20.8.3. Operate								2b	-	-	-
A2.20.9. Lighting equipment TR: TO 35F5 Series											
*A2.20.9.1. Purpose and description								A	B	-	-
*A2.20.9.2. Perform pre-use inspection								2b	-	-	-
*A2.20.9.3. Operate								2b	-	-	-
A2.20.10. Hydraulic test stand TR: TO 33A2 Series											
*A2.20.10.1. Purpose and description								A	B	-	-
A2.20.10.2. Perform pre-use inspection								-	-	-	-
A2.20.10.3. Operate								-	-	-	-
A2.20.11. Air conditioning units TR: TO 35E9 Series											
*A2.20.11.1. Purpose and description								A	B	-	-
A2.20.11.2. Perform pre-use inspection								-	-	-	-
A2.20.11.3. Operate								-	-	-	-
A2.20.12. Gas turbine compressors TR: TO 35D12 Series											
*A2.20.12.1. Purpose and description								A	B	-	-
*A2.20.12.2. Perform pre-use inspection								2b	-	-	-
*A2.20.12.3. Operate								2b	-	-	-
A2.20.13. Tow vehicles TR: TO 36A10 Series											
*A2.20.13.1. Purpose and description								A	B	-	-
A2.20.13.2. Perform pre-use inspection								-	-	-	-
A2.20.13.3. Operate								-	-	-	-

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.20.14. Liquid Nitrogen servicing equipment TR: TO 35D3 Series											
*A2.20.14.1. Purpose and description								A	B	-	-
*A2.20.14.2. Perform pre-use inspection								1b	-	-	-
*A2.20.14.3. Operate								1b	-	-	-
A2.20.15. Gaseous Nitrogen servicing equipment TR: TO 35D3 Series											
*A2.20.15.1. Purpose and description								A	B	-	-
*A2.20.15.2. Perform pre-use inspection								1b	-	-	-
*A2.20.15.3. Operate								1b	-	-	-
A2.20.16. Oil servicing carts TR: TO 37A12											
*A2.20.16.1. Purpose and description								A	B	-	-
A2.20.16.2. Perform pre-use inspection								-	-	-	-
A2.20.16.3. Operate								-	-	-	-
A2.20.17. Hydraulic servicing carts TR: TO 35D3 Series											
*A2.20.17.1. Purpose and description								A	B	-	-
A2.20.17.2. Perform pre-use inspection								-	-	-	-
A2.20.17.3. Operate								-	-	-	-
A2.20.18. Engine test equipment, Borescope TR: Aircraft, engine TOs								-	B	-	-
A2.20.19. Crash recovery equipment											
*A2.20.19.1. Purpose								A	B	-	-
A2.20.19. Crash recovery equipment (Cont)											
A2.20.19.2. Maintenance								-	-	-	-
A2.20.19.3. Use								-	-	-	-

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC

F-16 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
NOTE 1: This attachment is to be used in conjunction with the STS 2A3X3B Attachment 2.											
NOTE 2: Items in column 1 marked with an asterisk (*) are task/knowledge that are trained in resident wartime courses. The resident 7 level course will not be taught during wartime.											
NOTE 3: Items in column 2 (core tasks) marked with an R are optional for AFRC and ANG upgrade.											
NOTE 4: Personnel must complete CDC requirements on all MDSs/attachments.											
A3.1. AIRCRAFT GENERAL											
*A3.1.1. Training Records								A	-	-	-
*A3.1.2. Use technical orders TR: Applicable F-16 TOs	*							3c	-	-	-
A3.1.3. Document aircraft forms TR: 00-20 Series TOs											
*A3.1.3.1. AFTO Form 781H	*							3c	-	-	-
*A3.1.3.2. AFTO Form 781A	*							3c	-	-	-
*A3.1.3.3. AFTO Form 781J	*							3c	-	-	-
*A3.1.3.4. AFTO Form 781K	*							3c	-	-	-
*A3.1.4. Use Core Automated Maintenance System (CAMS) TR: 00-20 Series TOs								2b	-	-	-
A3.1.5. Corrosion control program TR: TO 1-1-691S; 1F-16()-23											
*A3.1.5.1. Prepare aircraft for wash								b	-	-	-
*A3.1.5.2. Wash aircraft								b	-	-	-
*A3.1.5.3. Inspect for corrosion								b	-	-	-
*A3.1.5.4. Lubricate after wash								2b	-	-	-
A3.1.6. Prepare aircraft for hangar entry								-	-	-	-
A3.1.7. Ground handling TR: AFI 11-218; AFOSH Std 91-100; TO 00-25-172; Applicable -2 TOs Applicable -6 TOs											
*A3.1.7.1. Launch aircraft	*							3c	-	-	-
*A3.1.7.2. Recover aircraft	*							3c	-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
*A3.1.7.3. Marshall Aircraft	*							3c	-	-	-
*A3.1.7.4. Perform hot brake check	*							3c	-	-	-
A3.1.7.5. Tow aircraft											
*A3.1.7.5.1. Wing/tail walker	*							3c	-	-	-
*A3.1.7.5.2. Brake operator	*							3c	-	-	-
*A3.1.7.5.3. Team supervisor		*						-	-	-	-
A3.1.7.5.4. Vehicle operator								-	-	-	-
*A3.1.7.6. Moor aircraft								a	-	-	-
A3.1.7.7. Jack aircraft											
*A3.1.7.7.1. Tripod jack	*							3c	-	-	-
*A3.1.7.7.2. Axle jack	*							3c	-	-	-
*A3.1.7.7.3. Team member	*							3c	-	-	-
A3.1.7.7.4. Team supervisor		*						-	-	-	-
A3.1.7.7.5. Assist weighing and leveling								-	-	-	-
*A3.1.8. Safe aircraft for maintenance TR: Applicable -2 TOs	*							3c	-	-	-
A3.1.9. Phased inspection concept and inspections TR: TOs 00-20-5; 1F-16()-6-()											
*A3.1.9.1. Phase inspection concept								B	-	-	-
A3.1.9.2. Perform inspection											
*A3.1.9.2.1. Preflight	*							3c	-	-	-
*A3.1.9.2.2. Basic postflight	*							3c	-	-	-
*A3.1.9.2.3. Preflight/Basic postflight								3c	-	-	-
*A3.1.9.2.4. Walkaround	*							3c	-	-	-
*A3.1.9.2.5. End of runway								b	-	-	-
*A3.1.9.2.6. Thruflight	*							3c	-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.1.9.2.7. Quick turn								-	-	-	-
*A3.1.9.2.8. Phase								b	-	-	-
A3.1.9.2.9. Time change item								-	-	-	-
A3.1.9.3. Perform special inspections											
A3.1.9.3.1. Acceptance								-	-	-	-
A3.1.9.3.2. Hard landing inspection								-	-	-	-
A3.1.9.3.3. Post barrier engagement inspection								-	-	-	-
A3.1.9.3.4. Over G								-	-	-	-
A3.1.9.4. Perform integrated combat turn (ICT)											
A3.1.9.4.1. Supervisor								-	-	-	-
*A3.1.9.4.2. Team member								a	-	-	-
A3.1.9.5. Crash recovery team member								-	-	-	-
A3.2. AIRFRAME SYSTEMS TR: Applicable -2 TOs											
*A3.2.1. Airframe components and construction								B	-	-	-
A3.2.2. Inspect airframe components								-	-	-	-
A3.2.3. Remove and install											
*A3.2.3.1. Access panels	*							3c	-	-	-
A3.2.3.2. Hingeable doors								-	-	-	-
A3.2.3.3. Radome								-	-	-	-
A3.2.3.4. Stress panels								-	-	-	-
A3.2.3.5. Travel pods								-	-	-	-
A3.2.4. Open and close											
*A3.2.4.1. Hingeable doors	*							3c	-	-	-
A3.2.4.2. Radome								-	-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
*A3.2.5. Cockpit Foreign Object (FO) awareness								B	-	-	-
*A3.2.6. Clean canopy	*							3c	-	-	-
A3.3. EGRESS SYSTEM TR: Applicable -2 TOs											
*A3.3.1. Egress components and system operation								B	-	-	-
*A3.3.2. Inspect safety devices TR: TO 1F-16C-6-()	*							3c	-	-	-
*A3.3.3. Remove and install safety pins	*							3c	-	-	-
A3.3.4. Operate canopy											
*A3.3.4.1. Electrically								3c	-	-	-
*A3.3.4.2. Manually								3c	-	-	-
A3.4. EMERGENCY POWER UNIT (EPU) SYSTEM TR: Applicable -2 TOs											
*A3.4.1. EPU components and system operation								B	-	-	B
*A3.4.2. Hydrazine awareness								B	-	-	-
*A3.4.3. Identify leaks								B	-	-	-
*A3.4.4. EPU safety								B	-	-	-
A3.4.5. Remove and install											
A3.4.5.1. EPU assembly								-	-	-	-
A3.4.5.2. Pressure switch								-	-	-	-
A3.4.5.3. Hydraulic pump								-	-	-	-
A3.4.5.4. Electric generator								-	-	-	-
A3.4.5.5. Gas generator								-	-	-	-
A3.4.5.6. External indicator								-	-	-	-
A3.4.6. Perform leak check								-	-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.4.7.	Maintain leak detector								-	-	-	-
A3.4.8.	Service											
*A3.4.8.1.	EPU nitrogen	*							3c	-	-	-
*A3.4.8.2.	EPU oil								3c	-	-	-
A3.4.9.	Perform operational check in bleed air mode								-	-	-	-
A3.4.10.	Inspect EPU components TR: TO 1F-16()-6-()								-	-	-	-
A3.4.11.	Troubleshoot								-	-	c	B
A3.4.12.	Cold gas spin up								-	-	-	-
A3.5.	LANDING GEAR SYSTEM TR: Applicable -2 TOs											
*A3.5.1.	Main landing gear components and system operation								B	-	-	B
*A3.5.2.	Nose landing gear components and system operation								B	-	-	B
*A3.5.3.	Alternate/emergency landing gear components and system operation								B	-	-	B
*A3.5.4.	Braking components and system operation								B	-	-	B
*A3.5.5.	Anti-skid components and system operation								B	-	-	B
*A3.5.6.	Arresting hook components and system operation								B	-	-	B
*A3.5.7.	Nose wheel steering (NWS) components and system operation								B	-	-	B
A3.5.8.	Remove and install											
A3.5.8.1.	Retract actuator								-	-	-	-
A3.5.8.2.	Downlock actuator								-	-	-	-
A3.5.8.3.	Uplock mechanism								-	-	-	-
A3.5.8.4.	Door actuator								-	-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.5.8.5.	Uplock roller								-	-	-	-
A3.5.8.6.	Shock strut assembly								-	-	-	-
A3.5.8.7.	Tension strut assembly								-	-	-	-
A3.5.8.8.	Drag brace assembly								-	-	-	-
A3.5.8.9.	Control valve								-	-	-	-
A3.5.8.10.	Sequencing valve								-	-	-	-
A3.5.8.11.	Axle assembly								-	-	-	-
A3.5.8.12.	Door assembly								-	-	-	-
A3.5.8.13.	Spin stop pad								-	-	-	-
A3.5.8.14.	Torque link assembly								-	-	-	-
A3.5.8.15.	Remove and install Wheel and tire assembly											
*A3.5.8.15.1.	Main	*							3c	-	-	-
*A3.5.8.15.2.	Nose	*							3c	-	-	-
A3.5.8.16.	Selector valve								-	-	-	-
A3.5.8.17.	Pneumatic reservoir								-	-	-	-
*A3.5.8.18.	Brake assembly								3c	-	-	-
A3.5.8.19.	Brake control valve								-	-	-	-
A3.5.8.20.	Wheel speed sensor								-	-	-	-
A3.5.8.21.	Arresting hook pneumatic actuator								-	-	-	-
A3.5.8.22.	Arresting hook assembly								-	-	-	-
*A3.5.8.23.	Pneumatic charging valve								3c	-	-	-
A3.5.8.24.	Rudder pedal assembly								-	-	-	-
A3.5.8.25.	NWS actuator								-	-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.5.9.	Adjust											
A3.5.9.1.	Uplock mechanism								-	-	-	-
A3.5.9.2.	Arresting hook								-	-	-	-
A3.5.10.	Service											
*A3.5.10.1.	Shock strut		*						3c	-	-	-
*A3.5.10.2.	Alternate landing gear/arresting hook pneumatic reservoir								3c	-	-	-
*A3.5.10.3.	Tires	*							3c	-	-	-
*A3.5.11.	Determine serviceability of tires	*							3c	-	-	-
*A3.5.12.	Bleed brakes								3c	-	-	-
A3.5.13.	Perform operational check											
A3.5.13.1.	Basic landing gear system								-	-	-	-
*A3.5.13.1.1.	Team member								3c	-	-	-
A3.5.13.1.2.	Supervisor								-	-	-	-
A3.5.13.2.	Alternate/emergency landing gear system								-	-	-	-
A3.5.13.2.1.	Team member								-	-	-	-
A3.5.13.2.2.	Supervisor								-	-	-	-
A3.5.13.	Perform operational check											
A3.5.13.3.	Brakes								-	-	-	B
*A3.5.13.4.	Arresting hook								3c	-	-	-
A3.5.13.5.	NWS system								-	-	-	-
A3.5.14.	Troubleshoot landing gear								-	-	c	B
A3.6	FIRE AND OVERHEAT DETECTION SYSTEM TR: Applicable -2 TOs											
*A3.6.1.	Fire and overheat detection components and system operation								B	-	-	B

F-16 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.6.2. Inspect sensing elements TR: TO 1F-16()-6-()								-	-	-	-
A3.6.3. Perform fire and overheat operational check								-	-	-	-
A3.7. FUEL INERTING SYSTEM TR: Applicable -2 TOs											
*A3.7.1. Fuel inerting system components and operation								B	-	-	B
*A3.7.2. Remove and install halon reservoir								3c	-	-	-
A3.8. LIQUID OXYGEN SYSTEM TR: Applicable -2 TOs											
*A3.8.1. Liquid oxygen components and system operation								B	-	-	B
*A3.8.2. Purging requirements								B	-	-	-
*A3.8.3. Service LOX converter TR: TOs 00-25-172; 1F-16()-2								3c	-	-	-
*A3.8.4. Remove and install converter								3c	-	-	-
A3.8.5. Perform operational check								-	-	-	-
A3.9. AIRCRAFT RECORDING SYSTEM TR: Applicable -2 TOs											
A3.9.1. Perform Airborne Video Tape Recording (AVTR) cartridge replacement								-	-	-	-
A3.9.2. Program FLR mission data								-	-	-	-
A3.10. FLIGHT CONTROL SYSTEM TR: Applicable -2 TOs											
*A3.10.1. Leading edge flap components and system operation								B	-	-	B
*A3.10.2. Rudder components and system operation								B	-	-	B
*A3.10.3. Horizontal stabilizer components and system operation								B	-	-	B

F-16 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
*A3.10.4.	Flaperon components and system operation								B	-	-	B
*A3.10.5.	Speedbrake components and system operation								B	-	-	B
A3.10.6.	Remove and install											
A3.10.6.1.	Leading edge flap								-	-	-	-
A3.10.6.2.	Rotary actuator								-	-	-	-
A3.10.6.3.	Torque shaft								-	-	-	-
A3.10.6.4.	Asymmetry brake								-	-	-	-
A3.10.6.5.	Power drive unit (PDU)								-	-	-	-
A3.10.6.6.	Command servo assembly								-	-	-	-
A3.10.6.7.	Angle gearbox								-	-	-	-
A3.10.6.8.	Rudder assembly								-	-	-	-
A3.10.6.9.	Remove and Install Integrated Servo Actuator (ISA)											
A3.10.6.9.1.	Rudder								-	-	-	-
A3.10.6.9.2.	Flaperon								-	-	-	-
A3.10.6.9.3.	Stab								-	-	-	-
A3.10.6.10.	Horizontal stabilizer assembly								-	-	-	-
A3.10.6.11.	Stabilizer bearing set								-	-	-	-
A3.10.6.12.	Flaperon assembly								-	-	-	-
A3.10.6.13.	Speedbrake assembly								-	-	-	-
A3.10.6.14.	Speedbrake control valve								-	-	-	-
A3.10.7.	Service											
A3.10.7.1.	PDU oil								-	-	-	-
*A3.10.7.2.	Flight control accumulator								3c	-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.10.8.	Rig											
A3.10.8.1.	Asymmetry brakes								-	-	-	B
A3.10.8.2.	Leading edge flaps								-	-	-	B
A3.10.8.3.	Flaperon								-	-	-	-
A3.10.8.4.	Horizontal stab								-	-	-	-
A3.10.8.5.	Rudder								-	-	-	-
A3.10.9.	Perform operational check											
A3.10.9.1.	Leading edge flaps								-	-	-	B
A3.10.9.2.	Rudder								-	-	-	-
A3.10.9.3.	Horizontal stabilizer								-	-	-	-
A3.10.9.4.	Flaperons								-	-	-	-
A3.10.9.5.	Speed brakes								-	-	-	-
*A3.10.9.6.	Manual trim								a	-	-	-
*A3.10.9.7.	System self-test								a	-	-	B
A3.10.10.	Troubleshoot flight controls								-	-	c	B
A3.11.	FUEL SYSTEM TR: Applicable AFOSH Stds; Applicable -2 TOs											
*A3.11.1.	Fuel components and system operation								B	-	-	B
*A3.11.2.	Inflight refuel components and system operation								B	-	-	B
A3.11.3.	Remove and install											
*A3.11.3.1.	External fuel tank assembly	*							3c	-	-	-
*A3.11.3.2.	Centerline external tank assembly	*							3c	-	-	-
A3.11.3.3.	Slipway door assembly								-	-	-	-
A3.11.3.4.	Slipway door actuator								-	-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.11.3.5. Slipway door control valve								-	-	-	-
*A3.11.4. Classification of fuel leaks								B	-	-	-
A3.11.5. Adjust slipway door								-	-	-	-
A3.11.6. Service											
A3.11.6.1. Refuel aircraft (normal)											
*A3.11.7.1.1. Team member								3c	-	-	-
*A3.11.7.1.2. Supervisor	*							3c	-	-	-
A3.11.7.2. Refuel aircraft (engine operating)											
A3.11.7.2.1. Team member								-	-	-	-
A3.11.7.2.2. Supervisor								-	-	-	-
A3.11.7.2.3. Evaluator/trainer								-	-	-	-
A3.11.7.3. Defuel aircraft											
*A3.11.7.3.1. Team member								2b	-	-	-
A3.11.7.3.2. Supervisor								-	-	-	-
A3.11.7.4. Over-the-wing refuel											
*A3.11.7.4.1. Team member								2b	-	-	-
A3.11.7.4.2. Supervisor								-	-	-	-
A3.11.7.5. Over-the-wing defuel aircraft											
*A3.11.7.5.1. Team member								2b	-	-	-
A3.11.7.5.2. Supervisor								-	-	-	-
A3.11.8. Perform operational check											
*A3.11.8.1. Internal transfer								b	-	-	-
A3.11.8.2. External transfer								-	-	-	-
*A3.11.8.3. Fuel quantity select switch								2b	-	-	-
A3.11.9. Aerial refuel slipway door assembly checkout								-	-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.11.10.	Troubleshoot fuel system								-	-	-	-
A3.12.	HYDRAULIC POWER SYSTEM TR: Applicable -2 TOs											
*A3.12.1.	Hydraulic components and system operation								B	-	-	B
A3.12.2.	Remove and install											
A3.12.2.1.	Pump								-	-	-	-
A3.12.2.2.	Manifold assembly								-	-	-	-
A3.12.2.3.	Transmitter								-	-	-	-
*A3.12.2.4.	Filter/assembly	*							3c	-	-	-
*A3.12.2.5.	Delta P	*							3c	-	-	-
A3.12.2.6.	Hydraulic reservoir								-	-	-	-
A3.12.2.7.	Flight control accumulators								-	-	-	-
A3.12.2.8.	Cockpit indicators								-	-	-	-
A3.12.2.9.	Accumulator pressure gauges								-	-	-	-
*A3.12.3.	Connect and disconnect hydraulic tubing								3c	-	-	-
*A3.12.4.	Service reservoir accumulator	*							3c	-	-	-
*A3.12.5.	Hydraulic reservoir											
A3.12.5.1.	Drain								-	-	-	-
A3.12.5.2.	Flush								-	-	-	-
*A3.12.5.3.	Bleed								a	-	-	-
*A3.12.5.4.	Service (Static)	*							3c	-	-	-
*A3.12.5.5	Service (Engine operating)								a	-	-	-
A3.12.6.	Obtain fluid sample								-	-	-	-
A3.12.7.	Perform operational check								-	-	-	-
A3.12.8.	Troubleshoot hydraulic system								-	-	c	B

F-16 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.13. ENGINES TR: Applicable -2 TOs AFOSH Std 91-100											
*A3.13.1. Engine components and system operation								A	-	-	-
A3.13.2. Engine monitoring system											
*A3.13.2.1. Engine monitoring components and system operation								A	-	-	-
A3.13.2.2. Use Comprehensive Engine Management System (CEMS IV)								-	-	-	-
A3.13.2.3. Retrieve engine monitoring data								-	-	-	-
A3.13.2.4. Analyze data								-	-	-	B
*A3.13.3. Engine power control components and system operation								A	-	-	-
*A3.13.4. Engine oil system								A	-	-	-
*A3.13.5. Take engine oil sample TR: TOs 42B2-1-9; 33-1-37	*							3c	-	-	-
A3.13.6. Secondary power system											
*A3.13.6.1. Secondary power components and system operation								A	-	-	-
*A3.13.6.2. Accessory Drive Gearbox (ADG) components and system operation								A	-	-	-
*A3.13.6.3. Engine Start System (ESS) components and system operation								A	-	-	-
A3.13.6.4. Engine Start System (ESS) tester								-	-	-	-
A3.13.6.5. Digital Engine Start System Control (DESSC)								-	-	-	-
A3.13.6.6. Track DESSC data								-	-	-	-
*A3.13.7. Inspect engine magnetic chip detector(s) TR: Applicable -2 TOs	*							3c	-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.13.8. Remove and install (R&I)											
A3.13.8.1. Jet Fuel Starter (JFS) system											
*A3.13.8.1.1. Starter								2b	-	-	-
*A3.13.8.1.2. Fuel control								b	-	-	-
*A3.13.8.1.3. Clutch servo valve								b	-	-	-
*A3.13.8.1.4. Thermocouple harness								b	-	-	-
*A3.13.8.1.5. Door control valve								b	-	-	-
A3.13.8.1.6. Hand pump								-	-	-	-
*A3.13.8.1.7. Hydraulic start motor								b	-	-	-
*A3.13.8.1.8. Hydraulic start manifold								b	-	-	-
*A3.13.8.1.9. Accumulator								b	-	-	-
A3.13.8.1.10. JFS fuel valves								-	-	-	-
A3.13.8.1.11. JFS exciter								-	-	-	-
A3.13.8.1.12. JFS hydraulic solenoid valves								-	-	-	-
A3.13.8.1.13. JFS controller								-	-	-	-
A3.13.8.2. Engine		*R						-	-	-	-
A3.13.8.3. Anti-ice valve								-	-	-	-
*A3.13.8.4. Igniters: Main/Augmenter								b	-	-	-
A3.13.8.5. Remove and Install Electronic control systems components											
A3.13.8.5.1. Digital Electronic Engine Control (DEEC)								-	-	-	-
A3.13.8.5.2. Electronic Engine Control (EEC)								-	-	-	-
A3.13.8.5.3. Engine Diagnostic Unit (EDU)								-	-	-	-
A3.13.8.5.4. Main Engine Control (MEC)								-	-	-	-
A3.13.8.5.5. Augmenter Fan Temperature Control (AFTC) General Electric								-	-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.13.8.6. Convergent Exhaust Nozzle Control (CENC)								-	-	-	-
A3.13.8.7. Flex shaft (Pratt & Whitney)								-	-	-	-
A3.13.8.8. Remove and Install Filters											
*A3.13.8.8.1. Fuel								2b	-	-	-
*A3.13.8.8.2. Oil								2b	-	-	-
A3.13.8.9. Oil tank								-	-	-	-
A3.13.8.10. Oil pump								-	-	-	-
A3.13.8.11. Fuel oil cooler								-	-	-	-
A3.13.8.12. Oil pressure transmitter								-	-	-	-
A3.13.8.13. Remove and Install Fuel pumps											
A3.13.8.13.1. Main								-	-	-	-
A3.13.8.13.2. Augmenter								-	-	-	-
A3.13.8.14. Remove and install Fuel controls											
A3.13.8.14.1. Main								-	-	-	-
A3.13.8.14.2. Augmenter								-	-	-	-
A3.13.8.15. Fuel flow transmitter								-	-	-	-
A3.13.8.16. Check and drain/pressurization and dump valve								-	-	-	-
A3.13.8.17. Ignition exciter								-	-	-	-
A3.13.8.18. Ignition leads								-	-	-	-
A3.13.8.19. Alternator/Stator generator								-	-	-	-
A3.13.8.20. Electrical harnesses								-	-	-	-
A3.13.8.21. Engine plumbing								-	-	-	-
A3.13.8.22. Junction box								-	-	-	-
A3.13.8.23. Remove and Install Throttle											
A3.13.8.23.1. Quadrant								-	-	-	B

F-16 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.13.8.23.2. Interconnect cable								-	-	-	B
A3.13.8.23.3. Rack assembly								-	-	-	B
A3.13.8.24. Remove and Install Augmenter/ exhaust nozzle											
A3.13.8.24.1. Divergent nozzle segment/ divergent flap								-	-	-	-
A3.13.8.24.2. Divergent nozzle seal segment/ divergent seal								-	-	-	-
A3.13.8.24.3. External nozzle segment/outer flap								-	-	-	-
A3.13.8.24.4. Convergent nozzle segment liner/ primary flap								-	-	-	-
A3.13.8.24.5. Convergent nozzle segment seal line/primary seal								-	-	-	-
A3.13.8.24.6. Liner								-	-	-	-
A3.13.8.24.7. Flameholder								-	-	-	-
A3.13.8.25. Remove and install Sensors											
A3.13.8.25.1. Flame/light-off detector								-	-	-	-
A3.13.8.25.2. Dual/quad/fan-speed (N-1)								-	-	-	-
A3.13.8.25.3. N-2 speed sensor								-	-	-	-
A3.13.8.25.4. Fan Turbine Inlet Temperature (FTIT) probe								-	-	-	-
A3.13.8.25.5. Anti-ice probe								-	-	-	-
A3.13.8.25.6. Total Temperature 2 (TT2)								-	-	-	-
A3.13.8.25.7. PS-2 probe								-	-	-	-
A3.13.8.25.8. T5.6 thermocouple								-	-	-	-
A3.13.8.25.9. Low oil pressure switch								-	-	-	-
A3.13.8.26. Remove and Install Accessory Drive Gearbox (ADG) components											
A3.13.8.26.1. ADG								-	-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
*A3.13.8.26.2. Power take-off shaft								2b	-	-	-
A3.13.8.26.3. Oil filters								2b	-	-	-
A3.13.8.26.4. Magnetic chip detectors								-	-	-	-
A3.13.8.26.5. Differential pressure indicators (Delta P)								-	-	-	-
A3.13.8.26.6. Speed sensors (JFS/PTO)								-	-	-	-
A3.13.8.27. Remove and Install engine monitoring system components											
A3.13.8.27.1. Engine Monitoring System Computer (EMSC)								-	-	-	-
A3.13.8.27.2. Flap drive bay cold air shutoff valve								-	-	-	-
A3.13.8.27.3. EMSC battery								-	-	-	-
A3.13.8.27.4. Engine monitor system ground test panel								-	-	-	-
A3.13.9. Inspect engine bay		*R						-	-	-	B
*A3.13.10. Perform 10 hour throttle inspection	*							3c	-	-	-
*A3.13.11. Inspect and clean flame sensor/ light off detector	*							3c	-	-	-
A3.13.12. Perform engine borescope inspection								-	-	-	B
A3.13.13. Use special test equipment											
*A3.13.13.1. ESS Tester								a	-	-	-
A3.13.13.2. Ignition tester								-	-	-	-
A3.13.13.3. DESSC tester								-	-	-	-
A3.13.14. Rig											
A3.13.14.1. Throttle								-	-	-	-
A3.13.14.2. CENC								-	-	-	-
A3.13.15. Perform engine and associated systems leak and operational check								-	-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.13.16. Service											
*A3.13.16.1. Engine oil	*							3c	-	-	-
*A3.13.16.2. JFS accumulators								3c	-	-	-
*A3.13.16.3. ADG oil								3c	-	-	-
A3.13.17. General Electric (GE)/Pratt & Whitney (PW) Engines											
A3.13.17.1. Blend engine fan blades								-	-	-	-
A3.13.17.2. Inspect											
A3.13.17.2.1. Engine pre-installation (Acft -6)								-	-	-	-
A3.13.17.2.2 Inlet fan blades								-	-	-	-
A3.13.17.2.3. Exhaust section								-	-	-	-
A3.13.17.3. Remove and install											
A3.13.17.3.1. Fan inlet temperature sensor (T2)								-	-	-	-
A3.13.17.3.2. Fan discharge temperature sensor (T2.5)								-	-	-	-
A3.13.17.3.3. Fan inlet guide vane (IGV) actuators								-	-	-	-
A3.13.17.3.4. Variable stator vane (VSV) actuators								-	-	-	-
A3.13.17.3.5. VSV feedback cable								-	-	-	-
A3.13.17.3.6. Signal data converter								-	-	-	-
A3.13.17.3.7. Engine warning control unit								-	-	-	-
A3.13.17.3.8. Engine and jet start panel								-	-	-	-
A3.13.17.3.9. T4B pyrometer								-	-	-	-
A3.13.17.3.10. Engine hydraulic oil pump								-	-	-	-
A3.13.17.3.11. Lube and scavenge pump								-	-	-	-
A3.13.17.3.12. Engine oil level sensor and temperature switch								-	-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.13.17.3.13. Engine oil differential pressure switch								-	-	-	-
A3.13.17.3.14. Local and fan core fuel distributor and spray bars								-	-	-	-
A3.13.17.3.15. Digital electronic control (DEC)								-	-	-	-
A3.13.17.3.16. Fuel boost pump								-	-	-	-
A3.13.17.3.17. Exhaust nozzle hydraulic actuators								-	-	-	-
A3.13.17.3.18. Exhaust nozzle position transducer								-	-	-	-
A3.13.17.4. Rig											
A3.13.17.4.1. Exhaust nozzle position transducer								-	-	-	-
A3.13.18. Troubleshoot											
A3.13.18.1. Engine malfunction								-	-	c	B
A3.13.18.2. Starter system								-	-	c	B
A3.14. ELECTRICAL SYSTEM TR: Applicable -2 TOs											
*A3.14.1. Electrical components and system operation								B	-	-	-
*A3.14.2. Connect/apply external power	*							3c	-	-	-
*A3.14.3. Disconnect external power	*							3c	-	-	-
A3.14.4. Remove and install											
*A3.14.4.1. Batteries								3c	-	-	-
*A3.14.4.2. Light lenses								3c	-	-	-
*A3.14.4.3. Light lamps								3c	-	-	-
A3.14.5. Operate											
*A3.14.5.1. Interior lighting								3c	-	-	-
*A3.14.5.2. Exterior lighting								3c	-	-	-
*A3.14.6. Service constant speed drive								3c	-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.14.7. Remove and replace CSD system filters								-	-	-	-
A3.14.8. Troubleshoot								-	-	-	-
A3.15. SUPPORT EQUIPMENT TR: AFOSH Std. 91-100; Applicable TOs											
A3.15.1. Tow vehicle TR: TO 36A10 Series											
*A3.15.1.1. Perform pre-use inspection								2b	-	-	-
*A3.15.1.2. Use								b	-	-	-
A3.15.2. Nitrogen servicing carts TR: TO 35D3 Series											
*A3.15.2.1. Perform pre-use inspection								3c	-	-	-
*A3.15.2.2. Use	*							3c	-	-	-
A3.15.3. Oil servicing carts TR: TO 35A17 Series											
*A3.15.3.1. Perform pre-use inspection								3c	-	-	-
*A3.15.3.2. Use	*							3c	-	-	-
A3.15.4. Hydraulic servicing carts TR: TO 35D29 Series											
*A3.15.4.1. Perform pre-use inspection								3c	-	-	-
*A3.15.4.2. Use	*							3c	-	-	-
A3.15.5. Bomb lifts TR: TO 35D5 Series											
A3.15.5.1. MJ-1											
A3.15.5.1.1. Perform pre-use inspection								-	-	-	-
A3.15.5.1.2. Use								-	-	-	-
A3.15.5.2. MJ-4											
A3.15.5.2.1. Perform pre-use inspection								-	-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.15.5.2.2. Use								-	-	-	-
A3.15.6. Hydraulic test stand TR: TO 33A2 Series											
*A3.15.6.1. Perform pre-use inspection								3c	-	-	-
*A3.15.6.2. Use		*						3c	-	-	-
A3.15.7. Portable wash equipment TR: TO 35E22 Series											
A3.15.7.1. Perform pre-use inspection								-	-	-	-
A3.15.7.2. Use								-	-	-	-
A3.15.8. F-16 hand steering bar TR: TO 35B5 Series											
A3.15.8.1. Perform pre-use inspection								-	-	-	-
A3.15.8.2. Use								-	-	-	-
A3.15.9. Engine removal/installation (R&I) trailer TR: TO 35D3 Series											
*A3.15.9.1. Perform pre-use inspection								a	-	-	-
*A3.15.9.2. Use								a	-	-	-
A3.15.10. Engine transfer trailer TR: TO 35D3 Series											
*A3.15.10.1. Perform pre-use inspection								a	-	-	-
*A3.15.10.2. Use								a	-	-	-
A3.15.11. Tow bar TR: TO 35B5 Series											
*A3.15.11.1. Perform pre-use inspection								3c	-	-	-
*A3.15.11.2. Use								3c	-	-	-
A3.15.12. Air conditioning unit TR: TO 35E-9 Series											
*A3.15.12.1. Perform pre-use inspection								3c	-	-	-
*A3.15.12.2. Use								3c	-	-	-

F-16 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.15.13. Liquid Oxygen (LOX) servicing equipment TR: TOs 37C2-8; 15X-1-1											
*A3.15.13.1. Perform pre-use inspection								3c	-	-	-
*A3.15.13.2. Use								3c	-	-	-

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
NOTE 1: This attachment is used in conjunction with STS 2A3X3B, Attachment 2 and F-16 Qualitative Requirements, Attachment 3.												
NOTE 2: Personnel must complete CDC requirements on all MDSs/attachments.												
NOTE 3: Items in column 1 marked with an asterisk (*) are task/knowledge that are trained in resident wartime courses.												
A4.1	AIRCRAFT GENERAL											
*A4.1.1.	Use technical orders TR: Applicable F-117A TOs	*							3c	-	-	-
A4.1.2.	Use aperture cards								-	-	-	-
*A4.1.3.	Forms documentation review								B	-	-	-
A4.1.4.	Corrosion control program TR: TOs 1-1-169S; 1F-117A-23											
A4.1.4.1.	Inspect for corrosion								-	-	-	-
A4.1.4.2.	Lubricate								-	-	-	-
A4.1.5.	Prepare aircraft for hangar entry								-	-	-	-
A4.1.6.	Ground handling TR: AFI 11-218; AFOSH Std 91-100; TO 00-25-172; Applicable -2 TOs Applicable -6 TOs											
*A4.1.6.1.	Launch aircraft	*							3c	-	-	-
*A4.1.6.2.	Recover aircraft	*							3c	-	-	-
*A4.1.6.3.	Marshall Aircraft								3c	-	-	-
A4.1.6.4.	Tow aircraft											
A4.1.6.4.1.	Wing/tail walker	*							-	-	-	-
A4.1.6.4.2.	Brake operator	*							-	-	-	-
A4.1.6.4.3.	Team supervisor		*						-	-	-	-
A4.1.6.4.4.	Vehicle operator								-	-	-	-
A4.1.6.5.	Moor aircraft								-	-	-	-
A4.1.6.5.1.	Restrain aircraft for high powered engine run								-	-	-	-
A4.1.6.6.	Jack aircraft											

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
*A4.1.6.6.1. Tripod jack	*							3c	-	-	-
*A4.1.6.6.2. Axle jack	*							3c	-	-	-
*A4.1.6.6.3. Team member	*							3c	-	-	-
A4.1.6.6.4. Team supervisor		*						-	-	-	-
A4.1.6.6.5. Assist weighing and leveling								-	-	-	-
*A4.1.7. Safe aircraft for maintenance TR: Applicable -2 TOs	*							3c	-	-	-
A4.1.8. Phased inspection concept and inspections TR: TOs 00-20-5; 1F-117A-6											
A4.1.8.1. Phase inspection concept								-	-	-	-
A4.1.8.2. Perform inspection											
*A4.1.8.2.1. Preflight	*							2b	-	-	-
*A4.1.8.2.2. Basic postflight	*							2b	-	-	-
A4.1.8.2.3. Preflight/Basic postflight combination								-	-	-	-
A4.1.8.2.4. Walkaround								-	-	-	-
A4.1.8.2.5. End of runway								-	-	-	-
A4.1.8.2.6. Thruflight								-	-	-	-
A4.1.8.2.7. Quick turn								-	-	-	-
A4.1.8.2.8. Phase								-	-	-	-
A4.1.8.2.9. Time change item								-	-	-	-
A4.1.8.2.10. Intakes								-	-	-	-
A4.1.8.2.11. Exhaust								-	-	-	-
A4.1.8.3. Perform special inspections											
A4.1.8.3.1. Acceptance/transfer								-	-	-	-
A4.1.8.3.2. Hard landing inspection								-	-	-	-

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.1.8.3.3. Over G								-	-	-	-
A4.1.8.4. Crash recovery team member								-	-	-	-
A4.1.9. Ground power											
A4.1.9.1. External electrical power											
*A4.1.9.1.1. Connect/apply	*							3c	-	-	-
*A4.1.9.1.2. Disconnect	*							3c	-	-	-
A4.1.9.2. External hydraulic power											
*A4.1.9.2.1. Apply								3c	-	-	-
*A4.1.9.2.2. Remove								3c	-	-	-
A4.1.9.3. External DC power											
A4.1.9.3.1. Apply								-	-	-	-
A4.1.9.3.2. Remove								-	-	-	-
A4.1.9.4. External ground cooling air											
*A4.1.9.4.1. Apply								3c	-	-	-
*A4.1.9.4.2. Remove								3c	-	-	-
A4.1.9.5. External high pressure air											
A4.1.9.5.1. Apply								-	-	-	-
A4.1.9.5.2. Remove								-	-	-	-
A4.1.10. Cockpit Foreign Object (FO) awareness								-	-	-	-
A4.2. AIRFRAME SYSTEMS TR: Applicable -2 TOs											
A4.2.1. Airframe components and construction								-	-	-	-
A4.2.2. Radar Absorbent Material (RAM)											
*A4.2.2.1. Inspect								2b	-	-	-

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
*A4.2.2.2.	Remove								2b	-	-	-
A4.2.2.3.	Install								-	-	-	-
A4.2.3.	Composite materials											
A4.2.3.1.	Construction								-	-	-	-
A4.2.3.2.	Inspect								-	-	-	-
A4.2.4.	Remove and install											
*A4.2.4.1.	Access panels	*							3c	-	-	-
A4.2.4.2.	Hingeable doors								-	-	-	-
A4.2.4.3.	Stress panels								-	-	-	-
A4.2.4.4.	Remove and Install Canopy Components											
A4.2.4.4.1.	Canopy transparent panels								-	-	-	-
A4.2.4.4.2.	Canopy latch system components								-	-	-	-
A4.2.4.4.3.	Canopy manual control panel								-	-	-	-
A4.2.4.4.4.	Canopy transfer case gearbox								-	-	-	-
A4.2.4.4.5.	Canopy internal drive gearbox								-	-	-	-
A4.2.4.4.6.	Canopy external drive gearbox								-	-	-	-
A4.2.4.5.	Nose assembly								-	-	-	-
A4.2.4.6.	Engine inlet ducts								-	-	-	-
A4.2.4.7.	Engine inlet grid								-	-	-	-
A4.2.4.8.	Engine inlet blow-in door								-	-	-	-
A4.2.4.9.	Drag chute doors								-	-	-	-
A4.2.4.10.	Aft fuselage nozzle panels								-	-	-	-
A4.2.4.11.	Weapons bay spoilers								-	-	-	-
A4.2.4.12.	Weapons bay door								-	-	-	-

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.2.4.13. Cockpit glare shields	*							-	-	-	-
A4.2.4.14. Cockpit sidewall trim	*							-	-	-	-
A4.2.4.15. Map and letdown container	*							-	-	-	-
A4.2.4.16. Fuselage and wing edge panels								-	-	-	-
A4.2.4.17. Platty panels								-	-	-	-
A4.2.4.18. Tail edge panels								-	-	-	-
A4.2.4.19. Stub fin edge panels								-	-	-	-
A4.2.4.20. Rudder tips								-	-	-	-
A4.2.4.21. Radar enhancers	*							-	-	-	-
A4.2.5. Rig/Adjust											
A4.2.5.1. Canopy latch system											
A4.2.5.1.1. Perform rigging								-	-	-	-
A4.2.5.1.2. Perform rigging check								-	-	-	-
A4.2.5.1.3. System checkout								-	-	-	-
A4.2.5.2. Canopy actuating system											
A4.2.5.2.1. Rig system components								-	-	-	-
A4.2.5.2.2. Perform system checkout								-	-	-	-
*A4.2.6. Open and close hingeable doors	*							3c	-	-	-
A4.2.7. Cleaning											
A4.2.7.1. Exterior surfaces								-	-	-	-
A4.2.7.2. Transparent panels								-	-	-	-
A4.2.8. Access											
A4.2.8.1. E-bay rack											
*A4.2.8.1.1. Open								3c	-	-	-

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
*A4.2.8.1.2. Close								3c	-	-	-
A4.2.8.2. Weapons bay											
*A4.2.8.2.1. Open and close	*							3c	-	-	-
*A4.2.8.2.2. Extend and retract Trapeze	*							3c	-	-	-
A4.3. EGRESS SYSTEM TR: Applicable -2 TOs											
A4.3.1. Egress components and system operation								-	-	-	-
*A4.3.2. Inspect safety devices TR: TO 1F-117A-6	*							3c	-	-	-
*A4.3.3. Remove and install safety pins	*							3c	-	-	-
A4.3.4. Operate canopy											
*A4.3.4.1. Electrically								3c	-	-	-
*A4.3.4.2. Manually								3c	-	-	-
A4.4. AUXILIARY POWER UNIT (APU) SYSTEM											
*A4.4.1. APU components and system operation								B	-	-	B
A4.4.2. Identify leaks								-	-	-	-
A4.4.3. Remove and install											
A4.4.3.1. APU and mounting rack								-	-	-	-
A4.4.3.2. APU oil filter								-	-	-	-
A4.4.3.3. APU fuel filter								-	-	-	-
A4.4.3.4. APU chip detector								-	-	-	-
A4.4.3.5. APU electronic control unit								-	-	-	-
A4.4.3.6. APU exhaust bypass duct access panel								-	-	-	-
A4.4.3.7. Exhaust duct expansion bellows								-	-	-	-
A4.4.3.8. APU starter								-	-	-	-

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.4.3.9. APU fuel control								-	-	-	-
A4.4.3.10. APU bypass door								-	-	-	-
A4.4.4. Perform APU system checkout											
A4.4.4.1. Ground mode								-	-	-	-
*A4.4.4.2. Cockpit mode								2b	-	-	-
*A4.4.5. Service APU gearbox oil								3c	-	-	-
A4.5. EMERGENCY POWER UNIT (EPU) SYSTEM TR: Applicable -2 TOs											
A4.5.1. EPU components and system operation								-	-	-	B
A4.5.2. Identify leaks								-	-	-	-
A4.5.3. EPU safety								-	-	-	-
A4.5.4. Remove and install											
A4.5.4.1. EPU assembly								-	-	-	-
A4.5.4.2. Pressure switch								-	-	-	-
A4.5.4.3. Hydraulic pump								-	-	-	-
A4.5.4.4. Electric generator								-	-	-	-
A4.5.4.5. Exhaust air duct								-	-	-	-
A4.5.4.6. Emergency pump shutoff valve								-	-	-	-
A4.5.4.7. Pump discharge check valve								-	-	-	-
A4.5.4.8. Pump discharge pressure switch								-	-	-	-
A4.5.5. Perform leak check								-	-	-	-
*A4.5.6. Service EPU oil								b	-	-	-
*A4.5.7. Perform operational check								2b	-	-	-
A4.5.8. Inspect EPU components TR: TO 1F-117A-6								-	-	-	-

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.5.9. Troubleshoot EPU system								-	-	-	-
A4.6. PRESSURIZED AIR START SYSTEM (PASS)											
*A4.6.1. PASS components and system operation								B	-	-	B
*A4.6.2. Perform PASS system checkout								2b	-	-	-
A4.6.3. Remove and install											
A4.6.3.1. PASS bottle								-	-	-	-
A4.6.3.2. Recharge compressor								-	-	-	-
A4.6.3.3. Air filter								-	-	-	-
A4.6.4. Service											
*A4.6.4.1. PASS air bottle	*							3c	-	-	-
A4.6.4.2. Recharge compressor oil								-	-	-	-
A4.7. LANDING GEAR SYSTEM TR: Applicable -2 TOs											
A4.7.1. Main landing gear components and system operation								-	-	-	B
A4.7.2. Nose landing gear components and system operation								-	-	-	B
A4.7.3. Emergency landing gear components and system operation								-	-	-	B
A4.7.4. Braking components and system operation								-	-	-	A
A4.7.5. Anti-skid components and system operation								-	-	-	A
A4.7.6. Tail hook components and system operation								-	-	-	B
A4.7.7. Nose wheel steering (NWS) components and system operation								-	-	-	A
A4.7.8. Remove and install											

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.7.8.1. Dump valves											
A4.7.8.1.1. Landing gear								-	-	-	-
A4.7.8.1.2. Gear door								-	-	-	-
A4.7.8.2. Remove and install selector valves											
A4.7.8.2.1. Landing gear								-	-	-	-
A4.7.8.2.2. Gear door								-	-	-	-
A4.7.8.3. Remove and install actuators											
A4.7.8.3.1. Nose gear								-	-	-	-
A4.7.8.3.2. Nose gear uplock								-	-	-	-
A4.7.8.3.3. Nose gear door								-	-	-	-
A4.7.8.3.4. Main gear								-	-	-	-
A4.7.8.3.5. Main gear uplock								-	-	-	-
A4.7.8.3.6. Main gear door								-	-	-	-
A4.7.8.4. Remove and install gear struts											
A4.7.8.4.1. Nose								-	-	-	-
A4.7.8.4.2. Main								-	-	-	-
A4.7.8.5. Drag brace strut components								-	-	-	-
A4.7.8.6. Nose gear door								-	-	-	-
A4.7.8.7. Main gear wheel door								-	-	-	-
A4.7.8.8. Main gear strut door								-	-	-	-
A4.7.8.9. Emergency gear handle								-	-	-	-
A4.7.8.10. Emergency gear release system components								-	-	-	-
A4.7.8.11. Remove and install wheel and tire assembly											
*A4.7.8.11.1. Main	*							3c	-	-	-

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
*A4.7.8.11.2. Nose	*							3c	-	-	-
A4.7.8.12. Brake shuttle valve								-	-	-	-
A4.7.8.13. Brake assembly		*						-	-	-	-
A4.7.8.14. Brake control valve								-	-	-	-
A4.7.8.15. Wheel speed sensor								-	-	-	-
A4.7.8.16. Brake accumulator								-	-	-	-
A4.7.8.17. Brake accumulator shutoff valve								-	-	-	-
A4.7.8.18. Brake hydraulic fuses								-	-	-	-
A4.7.8.19. Brake check valve								-	-	-	-
A4.7.8.20. NWS damper								-	-	-	-
A4.7.8.21. Drag chute handle								-	-	-	-
A4.7.8.22. Drag chute mechanism								-	-	-	-
A4.7.8.23. Drag chute cable								-	-	-	-
A4.7.8.24. Drag chute mechanism bumper								-	-	-	-
A4.7.8.25. Tail hook pneumatic actuator								-	-	-	-
A4.7.8.26. Tail hook assembly								-	-	-	-
A4.7.8.27. Pneumatic charging valve								-	-	-	-
A4.7.9. Rig and adjust											
A4.7.9.1. Nose gear								-	-	-	-
A4.7.9.2. Nose landing gear door								-	-	-	-
A4.7.9.3. Main gear								-	-	-	-
A4.7.9.4. Main gear wheel door								-	-	-	-
A4.7.9.5. Drag brace strut components								-	-	-	-
A4.7.9.6. Emergency gear release system								-	-	-	-
A4.7.9.7. Uplock mechanism								-	-	-	-

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.7.9.8. Drag chute system components								-	-	-	-
A4.7.9.9. Tail hook								-	-	-	-
A4.7.10. Service											
A4.7.10.1. Gear strut	*							-	-	-	-
*A4.7.10.2. Tail hook shock strut	*							3c	-	-	-
*A4.7.10.3. Brake accumulator	*							b	-	-	-
A4.7.10.4. Tires	*							-	-	-	-
*A4.7.11. Remove and install drag chute								3c	-	-	-
A4.7.12. Determine serviceability of tires	*							-	-	-	-
A4.7.13. Bleed brakes								-	-	-	-
A4.7.14. Perform system checkout											
A4.7.14.1. Perform landing gear checkout											
A4.7.14.1.1. Team member								-	-	-	-
A4.7.14.1.2. Supervisor								-	-	-	-
A4.7.14.2. Perform landing gear emergency release checkout											
A4.7.14.2.1. Team member								-	-	-	-
A4.7.14.2.2. Supervisor								-	-	-	-
A4.7.14.3. Brakes system		*						-	-	-	-
A4.7.14.4. Tail hook								-	-	-	-
A4.7.14.5. NWS system								-	-	-	-
A4.7.15. Troubleshoot landing gear system								-	-	-	-
A4.8. FIRE PROTECTION SYSTEM TR: Applicable -2 TOs											
A4.8.1. Fire protection components and system operation								-	-	-	B
A4.8.2. Inspect sensing elements								-	-	-	-

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
TR: TO 1F-117A-6											
*A4.8.3. Perform fire and overheat operational check	*							3c	-	-	-
A4.8.4. Fuel inerting system											
A4.8.4.1. System components and operation								-	-	-	B
A4.8.4.2. Remove and install halon reservoir								-	-	-	-
*A4.8.4.3. Service		*						b	-	-	-
A4.9. LIQUID OXYGEN SYSTEM TR: Applicable -2 TOs											
A4.9.1. Liquid oxygen components and system operation								-	-	-	B
A4.9.2. Service LOX TR: TOs 00-25-172; 1F-117A-2	*							-	-	-	-
A4.9.3. Remove and install converter	*							-	-	-	-
*A4.9.4. Perform operational check	*							3c	-	-	-
A4.10. AIRCRAFT RECORDING SYSTEM TR: Applicable -2 TOs											
*A4.10.1. Remove and Install Airborne Video Tape Recording (AVTR) cartridge								3c	-	-	-
A4.11. COMMUNICATION SYSTEM TR: Applicable -2 TOs											
*A4.11.1. Operate aircraft interphone system	*							3c	-	-	-
A4.11.2. Operate aircraft radio								-	-	-	-
A4.12. ICE AND RAIN PROTECTION SYSTEM Applicable -2 TOs											
A4.12.1. Ice and rain protection system components and system operation								-	-	-	-
A4.12.2. Inspect ice wiper fairing								-	-	-	-
*A4.12.3. Perform FCS transducer heat system preflight checkout								3c	-	-	-

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.12.4. Remove and install											
A4.12.4.1. Ice wiper actuator								-	-	-	-
A4.12.4.2. Ice wiper								-	-	-	-
A4.12.4.3. Ice wiper arm extension								-	-	-	-
A4.12.4.4. Ice wiper selector valve								-	-	-	-
A4.12.4.5. De-ice fluid swivel fitting								-	-	-	-
A4.12.4.6. De-ice fluid shutoff valve								-	-	-	-
A4.12.4.7. Ice wiper fluid pressure shutoff valve								-	-	-	-
A4.12.4.8. Ice wiper fluid tank pressure check valve								-	-	-	-
*A4.12.5. Service alcohol tank	*							3c	-	-	-
A4.13. FLIGHT CONTROL SYSTEM TR: Applicable -2 TOs											
*A4.13.1. Rudder components and system operation								B	-	-	B
*A4.13.2. Elevon components and system operation								B	-	-	B
A4.13.3. Remove and install											
A4.13.3.1. Rudder assembly								-	-	-	-
A4.13.3.2. Rudder edge panels								-	-	-	-
A4.13.3.3. Elevon assembly								-	-	-	-
A4.13.3.4. Elevon edge panels								-	-	-	-
A4.13.3.5. Remove and Install Integrated Servo Actuator (ISA)											
A4.13.3.5.1. Rudder								-	-	-	-
A4.13.3.5.2. Elevon											
A4.13.3.5.2.1. Inboard								-	-	-	-
A4.13.3.5.2.2. Outboard								-	-	-	-

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.13.3.5.3. Control stick assembly								-	-	-	-
A4.13.3.5.4. Rudder pedal assembly								-	-	-	-
A4.13.4. Perform operational check											
A4.13.4.1. Rudder								-	-	-	-
A4.13.4.2. Elevon								-	-	-	-
A4.13.4.3. System self-test								-	-	-	-
A4.13.4.4. Control surface freeplay check								-	-	-	-
A4.13.5. Troubleshoot flight control system								-	-	-	-
A4.14. FUEL SYSTEM TR: Applicable AFOSH Stds; Applicable -2 TOs											
A4.14.1. Fuel components and system operation								-	-	-	B
A4.14.2. Inflight refuel components and system operation								-	-	-	-
A4.14.3. Classification of fuel leaks								-	-	-	-
A4.14.4. Remove and install apex floodlight								-	-	-	-
A4.14.5. Service											
A4.14.5.1. Refuel aircraft											
*A4.14.5.1.1. Team member	*							3c	-	-	-
*A4.14.5.1.2. Supervisor	*							3c	-	-	-
A4.14.5.2. Defuel aircraft											
A4.14.5.2.1. Team member								-	-	-	-
A4.14.5.2.2. Supervisor								-	-	-	-
A4.14.5.2.3. Drain fuel tanks								-	-	-	-
*A4.14.6. Perform operational check of fuel quantity select switch	*							3c	-	-	-
A4.14.7. Aerial refuel rollover door								-	-	-	-

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
assembly checkout											
A4.14.8. Troubleshoot fuel system								-	-	-	-
A4.15. HYDRAULIC POWER SYSTEM TR: Applicable -2 TOs											
*A4.15.1. Hydraulic power components and system operation								B	-	-	B
A4.15.2. Remove and install											
A4.15.2.1. Pump								-	-	-	-
A4.15.2.2. Manifold assembly								-	-	-	-
A4.15.2.3. Remove and install Pump discharge pressure switches											
A4.15.2.3.1. 1L								-	-	-	-
A4.15.2.3.2. 2L								-	-	-	-
A4.15.2.3.3. 1R								-	-	-	-
A4.15.2.3.4. 2R								-	-	-	-
A4.15.2.4. Remove and install check valves											
A4.15.2.4.1. Pump case drain											
A4.15.2.4.1.1. 1L								-	-	-	-
A4.15.2.4.1.2. 2L								-	-	-	-
A4.15.2.4.1.3. 1R								-	-	-	-
A4.15.2.4.1.4. 2R								-	-	-	-
A4.15.2.4.1.5. Emergency								-	-	-	-
A4.15.2.4.2. Pump discharge											
A4.15.2.4.2.1. 1L surged damped								-	-	-	-
A4.15.2.4.2.2. 2L								-	-	-	-
A4.15.2.4.2.3. 1R								-	-	-	-
A4.15.2.4.2.4. 2R surged damped								-	-	-	-

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.15.2.4.3. Return											
A4.15.2.4.3.1. Subsystem 1A								-	-	-	-
A4.15.2.4.3.2. Subsystem 1B								-	-	-	-
A4.15.2.4.3.3. Subsystem 2A								-	-	-	-
A4.15.2.4.3.4. Subsystem 2B								-	-	-	-
A4.15.2.5. Remove and install filter/assembly											
A4.15.2.5.1. System 1	*							-	-	-	-
A4.15.2.5.2. System 2	*							-	-	-	-
A4.15.2.6. Delta P	*							-	-	-	-
A4.15.2.7. Remove and install hydraulic reservoir											
A4.15.2.7.1. System 1								-	-	-	-
A4.15.2.7.2. System 2								-	-	-	-
A4.15.2.7.3. Relief valve								-	-	-	-
A4.15.2.8. Remove and install accumulators											
A4.15.2.8.1. System 1B flight control								-	-	-	-
A4.15.2.8.2. System 2								-	-	-	-
A4.15.2.9. Cockpit indicators								-	-	-	-
A4.15.2.10. Remove and install reservoir indicators											
A4.15.2.10.1. Quantity								-	-	-	-
A4.15.2.10.2. Temperature								-	-	-	-
A4.15.2.11. Accumulator pressure gages								-	-	-	-
A4.15.2.12. Ground test and fill couplings								-	-	-	-
A4.15.2.13. Sampling valves								-	-	-	-
A4.15.2.14. Bleed valves								-	-	-	-

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.15.2.15. Sumps								-	-	-	-
A4.15.2.16. Sump drain couplings								-	-	-	-
A4.15.3. Connect and disconnect, remove and install hydraulic system tubing								-	-	-	-
A4.15.4. Service											
*A4.15.4.1. Bleed system	*							3c	-	-	-
*A4.15.4.2. System 1B flight control accumulator	*							b	-	-	-
*A4.15.4.3. System 2 flight control accumulator	*							b	-	-	-
*A4.15.4.4. Hydraulic reservoir	*							3c	-	-	-
A4.15.5. Drain								-	-	-	-
A4.15.6. Flush								-	-	-	-
A4.15.7. Obtain fluid sample								-	-	-	-
A4.15.8. Drain hydraulic sumps								-	-	-	-
A4.15.9. Perform hydraulic system checkout								-	-	-	-
A4.15.10. Perform system bleed and leak checkout								-	-	-	-
A4.15.11. Troubleshoot hydraulic system								-	-	-	-
A4.16. STRUCTURAL TRACKING AND ENGINE MONITORING SYSTEM (STEMS)											
*A4.16.1. Components and system operation								B	-	-	B
A4.16.2. Utilizing STEMS								-	-	-	-
*A4.16.3. Perform STEMS data revision								3c	-	-	-
A4.16.4. Retrieve data								-	-	-	-
A4.16.5. Operate Hand Held Terminal (HHT)								-	-	-	-
A4.16.6. Calibrate Electronic Processor Unit (EPU)								-	-	-	-

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.16.7. Replace EPU battery								-	-	-	-
A4.16.8. Operate Ground Station Unit (GSU)								-	-	-	-
A4.16.9. Remove and install											
A4.16.9.1. EPU								-	-	-	-
A4.16.9.2. Umbilical Display Unit (UDU)								-	-	-	-
A4.16.9.3. Engine data events panel								-	-	-	-
A4.16.9.4. Vibration accelerometer								-	-	-	-
A4.16.9.5. Engine signal detector								-	-	-	-
A4.17. ENGINES TR: AFOSH Standard 91-100; Applicable -2 TOs											
*A4.17.1. Engine components and system operation								B	-	-	B
A4.17.2. Perform											
A4.17.2.1. Preparation for engine performance checkout								-	-	-	-
A4.17.2.2. Engine prestart								-	-	-	-
A4.17.2.3. Engine run checks (cockpit)								-	-	-	-
A4.17.2.4. Alternate start procedures								-	-	-	-
A4.17.2.5. Oil pressure check								-	-	-	-
A4.17.2.6. Anti-ice valve check								-	-	-	-
A4.17.2.7. Perform fan overspeed check											
A4.17.2.7.1. Cockpit								-	-	-	-
A4.17.2.7.2. Ground								-	-	-	-
A4.17.2.8. Perform leak checks											
A4.17.2.8.1. Oil								-	-	-	-
A4.17.2.8.2. Fuel								-	-	-	-

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.17.2.8.3. Air								-	-	-	-
A4.17.2.9. Engine bay inspection								-	-	-	-
A4.17.2.10. Perform engine borescope inspection											
A4.17.2.10.1. Rigid								-	-	-	-
A4.17.2.10.2. Flexible								-	-	-	-
A4.17.2.11. Exhaust duct inspection								-	-	-	-
A4.17.2.12. Tailpipe inspection								-	-	-	-
A4.17.2.13. Perform throttle control system checkout								-	-	-	-
A4.17.3. Remove and install											
A4.17.3.1. Engine		*						-	-	-	-
A4.17.3.2. Anti-ice valve								-	-	-	-
A4.17.3.3. Engine inlet centerbody								-	-	-	-
A4.17.3.4. Engine exhaust centerbody								-	-	-	-
A4.17.3.5. Electronic Control Unit (ECU)								-	-	-	-
A4.17.3.6. Engine plumbing								-	-	-	-
A4.17.3.7. Exhaust ducts								-	-	-	-
A4.17.3.8. Tailpipes								-	-	-	-
A4.17.3.9. Throttle quadrant								-	-	-	-
A4.17.3.10. Throttle cable								-	-	-	-
A4.17.3.11. Auto throttle bellcrank/clutch								-	-	-	-
A4.17.4. Engine oil system											
A4.17.4.1. Inspect magnetic chip detectors and oil strainers TR: Applicable -2 TOs	*							-	-	-	-
A4.17.4.2. Inspect oil filter elements								-	-	-	-
A4.17.4.3. Take engine oil sample								-	-	-	-

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.17.4.4. Remove and install											
A4.17.4.4.1. Oil tank								-	-	-	-
A4.17.4.4.2. Oil filter	*							-	-	-	-
A4.17.4.4.3. Lube and scavenge pump								-	-	-	-
A4.17.4.4.4. Fuel oil cooler								-	-	-	-
A4.17.4.4.5. Magnetic chip detector (7 each)	*							-	-	-	-
A4.17.4.4.6. Oil pressure transmitter								-	-	-	-
A4.17.4.4.7. Oil scavenge strainers								-	-	-	-
A4.17.5. Engine fuel system											
A4.17.5.1. Set density on main fuel control								-	-	-	-
A4.17.5.2. Remove and install											
A4.17.5.2.1. Main fuel control								-	-	-	-
A4.17.5.2.2. Main fuel pump								-	-	-	-
A4.17.5.2.3. Fuel flow transmitter								-	-	-	-
A4.17.5.2.4. Check and drain valve								-	-	-	-
A4.17.5.2.5. Fuel recycle pump								-	-	-	-
A4.17.5.2.6. Main fuel filter	*							-	-	-	-
A4.17.5.2.7. Fuel feed lines								-	-	-	-
A4.17.6. Engine electrical system											
A4.17.6.1. Remove and install											
A4.17.6.1.1. Alternator								-	-	-	-
A4.17.6.1.2. Ignition exciter								-	-	-	-
A4.17.6.1.3. Ignition leads								-	-	-	-
A4.17.6.1.4. Igniter plug								-	-	-	-
A4.17.6.1.5. Electrical harnesses								-	-	-	-

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.17.6.1.6. Junction box								-	-	-	-
A4.17.6.1.7. Cockpit Engine Performance Indicators (EPI)								-	-	-	-
A4.17.6.1.8. Thermocouple harness								-	-	-	-
A4.17.6.1.9. Fan inlet temperature (T1)								-	-	-	-
A4.17.6.1.10. Fan speed transmitter (N1)								-	-	-	-
A4.17.6.1.11. PS-3 probe								-	-	-	-
A4.17.6.1.12. Compressor discharge pressure transmitter (PS-3)								-	-	-	-
A4.17.6.1.13. Turbine discharge pressure (PT5.6)								-	-	-	-
A4.17.6.1.14. Fan variable geometry actuator								-	-	-	-
A4.17.6.1.15. Compressor variable geometry actuators								-	-	-	-
*A4.17.7. Service engine oil	*							3c	-	-	-
A4.17.8. Troubleshoot engine malfunctions								-	-	-	-
A4.18 AIRCRAFT MOUNTED ACCESSORY DRIVE (AMAD) TR: Applicable -2 TOs											
*A4.18.1. AMAD components and system operation								B	-	-	A
A4.18.2. Perform											
*A4.18.2.1. AMAD system checkout								2b	-	-	-
A4.18.2.2. AMAD couple system checkout								-	-	-	-
A4.18.2.3. Engine start system checkout								-	-	-	-
A4.18.3. Remove and install											
A4.18.3.1. AMAD								-	-	-	-
A4.18.3.2. Power take-off shaft								-	-	-	-

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.18.3.3. Oil screens and filters								-	-	-	-
A4.18.3.4. Magnetic chip detectors								-	-	-	-
A4.18.3.5. Differential Press. Indicators (Delta P)								-	-	-	-
A4.18.3.6. Oil pressure relief valves								-	-	-	-
A4.18.3.7. Oil pressure switches								-	-	-	-
A4.18.3.8. Oil temperature switches								-	-	-	-
A4.18.3.9. Gearbox low oil level senders								-	-	-	-
A4.18.3.10. Air Turbine Starter (ATS)								-	-	-	-
A4.18.3.11. ATS speed sensor								-	-	-	-
A4.18.3.12. Starter air valves								-	-	-	-
A4.18.3.13. Starter speed switches								-	-	-	-
A4.18.3.14. ATS engaged monitor switch								-	-	-	-
A4.18.3.15. PTO drive shaft seals								-	-	-	-
A4.18.3.16. Hydraulic pump shaft seal								-	-	-	-
A4.18.3.17. ATS gear shaft seal								-	-	-	-
A4.18.4. Service AMAD oil											
*A4.18.4.1. Normal	*							3c	-	-	-
A4.18.4.2. Empty								-	-	-	-
A4.18.4.3. Drain AMAD								-	-	-	-
A4.18.4.4. Take AMAD oil sample								-	-	-	-
A4.18.5. Troubleshoot engine start system								-	-	-	-
A4.19. ELECTRICAL SYSTEM TR: Applicable -2 TOs											
A4.19.1. Electrical components and system operation								-	-	-	-
A4.19.2. Remove and install											

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.19.2.1. Batteries								-	-	-	-
A4.19.2.2. Generator Control Unit (GCU)								-	-	-	-
A4.19.3. Troubleshoot electrical system								-	-	-	-
A4.20. LIGHTING SYSTEMS TR: Applicable -2 TOs											
A4.20.1. Lighting system components and operation								-	-	-	-
A4.20.2. Remove and install											
A4.20.2.1. Fuselage navigation assemblies/lenses								-	-	-	-
A4.20.2.2. Wingtip navigation assemblies/lenses								-	-	-	-
A4.20.2.3. Anti-collision light/cover plate								-	-	-	-
A4.20.2.4. Light lamps								-	-	-	-
A4.20.2.5. Taxi/landing light bulbs								-	-	-	-
A4.20.2.6. Taxi/landing light assembly								-	-	-	-
A4.20.3. Operate											
*A4.20.3.1. Interior lighting	*							3c	-	-	-
A4.20.3.2. Master test panel	*							-	-	-	-
*A4.20.3.3. Exterior lighting	*							3c	-	-	-
A4.21. SUPPORT EQUIPMENT TR: AFOSH Std. 91-100; Applicable TOs											
A4.21.1. Tow vehicle TR: TO 36A10 Series											
A4.21.1.1. Perform pre-use inspection								-	-	-	-
A4.21.1.2. Use								-	-	-	-
A4.21.2. Nitrogen servicing carts TR: TO 35D3 Series											
A4.21.2.1. Perform pre-use inspection								-	-	-	-

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.21.2.2. Use	*							-	-	-	-
A4.21.3. Oil servicing carts TR: TO 35A17 Series											
A4.21.3.1. Perform pre-use inspection								-	-	-	-
A4.21.3.2. Use	*							-	-	-	-
A4.21.4. Hydraulic servicing carts TR: TO 35D29 Series											
A4.21.4.1. Perform pre-use inspection								-	-	-	-
A4.21.4.2. Use	*							-	-	-	-
A4.21.5. Hydraulic test stand TR: TO 33A2 Series											
*A4.21.5.1. Perform pre-use inspection								3c	-	-	-
*A4.21.5.2. Use		*						3c	-	-	-
A4.21.6. Liquid Oxygen (LOX) servicing carts TR: TOs 15X-1-1, 37C2-8											
A4.21.6.1. Perform pre-use inspection								3c	-	-	-
A4.21.6.2. Use	*							3c	-	-	-
A4.21.7. Engine removal/installation (R&I) trailer TR: TO 35D3 Series											
A4.21.7.1. Perform pre-use inspection								-	-	-	-
A4.21.7.2. Use								-	-	-	-
A4.21.8. Engine transfer trailer TR: TO 35D3 Series											
A4.21.8.1. Perform pre-use inspection								-	-	-	-
A4.21.8.2. Use								-	-	-	-
A4.21.9. Tow bar TR: TO 35B5 Series											

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.21.9.1. Perform pre-use inspection								-	-	-	-
A4.21.9.2. Use								-	-	-	-
A4.21.10. Air conditioning unit TR: TO 35E-9 Series											
A4.21.10.1. Perform pre-use inspection								-	-	-	-
A4.21.10.2. Use								-	-	-	-
A4.21.11. Halon servicing cart											
A4.21.11.1. Perform pre-use inspection								-	-	-	-
A4.21.11.2. Use	*							-	-	-	-
A4.21.12. Alcohol servicing cart											
*A4.21.12.1. Perform pre-use inspection								3c	-	-	-
*A4.21.12.2. Use	*							3c	-	-	-
A4.21.13. MC-1A air compressor											
A4.21.13.1. Perform pre-use inspection								-	-	-	-
A4.21.13.2. Use								-	-	-	-
A4.21.14. MC-2A air compressor											
A4.21.14.1. Perform pre-use inspection								-	-	-	-
A4.21.14.2. Use								-	-	-	-

F-117 QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC

F-16 MATRIX

NOTE 1: The column titled Phase 3A of the following matrix identifies training in the resident course conducted at Sheppard AFB Texas. The column titled Phase 3B identifies training received at Luke AFB Arizona.

NOTE 2: Weapon system peculiar items not being taught due to weapon system configuration at student's end assignment do not require a Training Deficiency Letter to be issued.

Weapon System	Course Number	PDS Code
F-16 (Phase 3A)	**J3AQR2A333B 002**	**XN3**
F-16 (Phase 3B)	**J3ABP2A333B 002**	**XN7**

F-16 MATRIX

STS ELEMENT	TASK	PHASE 3A	PHASE 3A
A3.1.1.	Training Records	A	-
A3.1.2.	Use technical orders	3c	-
A3.1.3.1.	AFTO Form 781H	3c	-
A3.1.3.2.	AFTO Form 781A	3c	-
A3.1.3.3.	AFTO Form 781J	3c	-
A3.1.3.4.	AFTO Form 781K	3c	-
A3.1.4.	Use CAMS	2b	-
A3.1.5.1.	Prepare aircraft for wash	b	-
A3.1.5.2.	Wash aircraft	b	-
A3.1.5.3.	Inspect for corrosion	b	-
A3.1.5.4.	Lubricate after wash	2b	-
A3.1.7.1.	Launch aircraft	b	3c
A3.1.7.2.	Recover aircraft	b	3c
A3.1.7.3.	Aircraft marshaling	b	3c
A3.1.7.4.	Perform hot brake check	b	3c
A3.1.7.5.1.	Tow wing/tail walker	3c	-
A3.1.7.5.2.	Tow brake operator	3c	-
A3.1.7.5.3.	Tow team supervisor	b	-
A3.1.7.6.	Moor aircraft	a	-
A3.1.7.7.1.	Tripod jack aircraft	3c	-
A3.1.7.7.2.	Axle jack aircraft	3c	-
A3.1.7.7.3.	Jacking team member	3c	-
A3.1.8.	Safe aircraft for maintenance	3c	-
A3.1.9.1.	Phase inspection concept	B	-
A3.1.9.2.1.	Preflight	2b	3c
A3.1.9.2.2.	Basic postflight	2b	3c
A3.1.9.2.3.	Preflight/basic postflight combination	3c	-
A3.1.9.2.4.	Walkaround	b	3c
A3.1.9.2.5.	End of runway	b	-
A3.1.9.2.6.	Thruflight	2b	3c
A3.1.9.2.8.	Phase	b	-
A3.1.9.4.2.	ICT team member	a	-
A3.2.1.	Airframe components and construction	B	-
A3.2.3.1.	Remove and install access panels	3c	-
A3.2.4.1.	Open/close hingeable doors	3c	-
A3.2.5.	Cockpit foreign object awareness	B	-
A3.2.6.	Clean canopy	3c	-
A3.3.1.	Egress components and system operation	B	-
A3.3.2.	Inspect safety devices	2b	3c
A3.3.3.	Remove and install safety pins	2b	3c

F-16 MATRIX

STS ELEMENT	TASK	PHASE 3A	PHASE 3A
A3.3.4.1.	Operate canopy electrically	2b	3c
A3.3.4.2.	Operate canopy manually	2b	3c
A3.4.1.	EPU components and system operation	B	-
A3.4.2.	Hydrazine awareness	B	-
A3.4.3.	Identify leaks	B	-
A3.4.4.	EPU safety	B	-
A3.4.8.1.	Service EPU nitrogen	3c	-
A3.4.8.2.	Service EPU oil	3c	-
A3.5.1.	Main landing gear components and system operation	B	-
A3.5.2.	Nose landing gear components and system operation	B	-
A3.5.3.	Alternate/emergency landing gear comp. and sys. oper.	B	-
A3.5.4.	Braking components and system operation	B	-
A3.5.5.	Anti-skid components and system operation	B	-
A3.5.6.	Arresting hook components and system operation	B	-
A3.5.7.	Nose wheel steering (NWS) components and sys. oper.	B	-
A3.5.8.15.1.	Remove and install main wheel and tire assembly	3c	-
A3.5.8.15.2.	Remove and install nose wheel and tire assembly	3c	-
A3.5.8.18.	Remove and install brake assembly	3c	-
A3.5.8.23.	Remove and install pneumatic charging valve	3c	-
A3.5.10.1.	Service shock strut	3c	-
A3.5.10.2.	Service alter. landing gear/arrest. hook pneu. reservoir	3c	-
A3.5.10.3.	Service tires	3c	-
A3.5.11.	Determine serviceability of tires	3c	-
A3.5.12.	Bleed brakes	3c	-
A3.5.13.1.1.	Perform operational check basic system team member	3c	-
A3.5.13.4.	Perform operational check arresting hook	3c	-
A3.6.1.	Fire and overheat detection comp. and system operation	B	-
A3.7.1.	Fuel Inerting system components and operation	B	-
A3.7.2.	Remove and install halon reservoir	3c	-
A3.8.1.	Liquid oxygen components and system operation	B	-
A3.8.2.	Purging requirements	B	-
A3.8.3.	Service LOX converter	2b	3c
A3.8.4.	Remove and install converter	3c	-
A3.10.1.	Leading edge flap components and system operation	B	-
A3.10.2.	Rudder components and system operation	B	-
A3.10.3.	Horizontal stabilizer components and system operation	B	-
A3.10.4.	Flaperon components and system operation	B	-
A3.10.5.	Speedbrake components and system operation	B	-
A3.10.7.2.	Service flight control accumulator	3c	-
A3.10.9.6.	Perform operational check manual trim	a	-
A3.10.9.7.	Perform operational check system self-test	a	-
A3.11.1.	Fuel components and system operation	B	-

F-16 MATRIX

STS ELEMENT	TASK	PHASE 3A	PHASE 3A
A3.11.2.	Inflight refuel components and system operation	B	-
A3.11.3.1.	Remove and install external fuel tank assembly	3c	-
A3.11.3.2.	Remove and install centerline external tank assembly	3c	-
A3.11.4.	Classification of fuel leaks	B	-
A3.11.7.1.1.	Refuel aircraft team member	2b	3c
A3.11.7.1.2.	Refuel aircraft supervisor	2b	3c
A3.11.7.3.1.	Defuel aircraft team member	2b	-
A3.11.7.4.1.	Over-the-wing refuel team member	2b	-
A3.11.7.5.1.	Over-the-wing defuel team member	2b	-
A3.11.8.1.	Perform operational check internal transfer	b	-
A3.11.8.3.	Perform operational check of fuel quantity select switch	2b	-
A3.12.1.	Hydraulic components and system operation	B	-
A3.12.2.4.	Remove and install filter assembly	3c	-
A3.12.2.5.	Remove and install Delta P	3c	-
A3.12.3.	Connect and disconnect hydraulic tubing	3c	-
A3.12.4.	Service reservoir accumulator	3c	-
A3.12.5.3.	Bleed hydraulic reservoir	a	-
A3.12.5.4.	Service (Static) hydraulic reservoir	3c	-
A3.12.5.5.	Service (Engine operating) hydraulic reservoir	a	-
A3.13.1.	Engine components and system operation	A	-
A3.13.2.1.	Engine monitoring system components and operation	A	-
A3.13.3.	Engine power control components and system operation	A	-
A3.13.4.	Engine oil system	A	-
A3.13.5.	Take engine oil sample	3c	-
A3.13.6.1.	Secondary power components and system operation	A	-
A3.13.6.2.	Accessory drive gearbox components and sys. operation	A	-
A3.13.6.3.	Engine start system components and system operation	A	-
A3.13.7.	Inspect engine magnetic chip detector(s)	3c	-
A3.13.8.1.1.	Remove and install JFS	2b	-
A3.13.8.1.2.	Remove and install fuel control	b	-
A3.13.8.1.3.	Remove and install clutch servo valve	b	-
A3.13.8.1.4.	Remove and install thermocouple harness	b	-
A3.13.8.1.5.	Remove and install door control valve	b	-
A3.13.8.1.7.	Remove and install hydraulic start motor	b	-
A3.13.8.1.8.	Remove and install hydraulic start manifold	b	-
A3.13.8.1.9.	Remove and install accumulator	b	-
A3.13.8.4.	Remove and install igniters: main/augmenter	b	-
A3.13.8.8.1.	Remove and install fuel filters	2b	-
A3.13.8.8.2.	Remove and install oil filters	2b	-
A3.13.8.26.2.	Remove and install ADG power take-off shaft	2b	-
A3.13.8.26.3.	Remove and install ADG oil filters	2b	-
A3.13.10.	Perform 10 hour throttle inspection	3c	-

F-16 MATRIX

STS ELEMENT	TASK	PHASE 3A	PHASE 3A
A3.13.11.	Inspect and clean flame sensor/light off detector	3c	-
A3.13.13.1.	Use engine start system tester (ESS)	a	-
A3.13.16.1.	Service engine oil	2b	3c
A3.13.16.2.	Service JFS accumulators	3c	-
A3.13.16.3.	Service ADG oil	3c	-
A3.14.1.	Electrical components and system operation	B	-
A3.14.2.	Connect/apply external power	3c	-
A3.14.3.	Disconnect external power	3c	-
A3.14.4.1.	Remove and install batteries	3c	-
A3.14.4.2.	Remove and install light lenses	3c	-
A3.14.4.3.	Remove and install light lamps	3c	-
A3.14.5.1.	Operate interior lighting	3c	-
A3.14.5.2.	Operate exterior lighting	3c	-
A3.14.6.	Service constant speed drive	2b	3c
A3.15.1.1.	Perform pre-use inspection of tow vehicle	2b	-
A3.15.1.2.	Use tow vehicle	b	-
A3.15.2.1.	Perform pre-use inspection of nitrogen servicing cart	3c	-
A3.15.2.2.	Use nitrogen servicing cart	3c	-
A3.15.3.1.	Perform pre-use inspection of oil servicing cart	3c	-
A3.15.3.2.	Use oil servicing cart	3c	-
A3.15.4.1.	Perform pre-use inspection of hydraulic servicing cart	3c	-
A3.15.4.2.	Use hydraulic servicing cart	3c	-
A3.15.6.1.	Perform pre-use inspection of hydraulic test stand	3c	-
A3.15.6.2.	Use hydraulic test stand	3c	-
A3.15.9.1.	Perform pre-use inspection of engine R&I trailer	a	-
A3.15.9.2.	Use engine R&I trailer	a	-
A3.15.10.1.	Perform pre-use inspection of engine transfer trailer	a	-
A3.15.10.2.	Use engine transfer trailer	a	-
A3.15.11.1.	Perform pre-use inspection of tow bar	3c	-
A3.15.11.2.	Use tow bar	3c	-
A3.15.12.1.	Perform pre-use inspection of air conditioning unit	3c	-
A3.15.12.2.	Use air conditioning unit	3c	-
A3.15.13.1.	Perform pre-use inspection of LOX servicing equipment	2b	3c
A3.15.13.2.	Use LOX servicing equipment	2b	3c

F-16 MATRIX

Section B - Course Objective List

4. Measurement. Each proficiency coded STS task or knowledge item taught at the technical school is measured through the use of an objective. An objective is a written instruction for the student so he or she knows what is expected of them to successfully complete training on each task. Each objective is comprised of a condition, behavior, and standard which states what is expected of the student for each task. The condition is the setting in which the training takes place. The behavior is the action a student must demonstrate to accomplish a task (i.e. remove and install a wheel and tire assembly). The standard is the level of performance that is measured to ensure the STS proficiency code level is attained. Each objective uses letter codes(s) to identify how it is measured. All objectives use the **PC** code which indicates a progress check is used to measure subject or task knowledge. Progress checks are also used to measure student accomplishment of performance objectives. **W** indicates a comprehensive written test and is used to measure the subject and/or task knowledge at the end of a block of instruction. **PC/W** indicates separate measurement of both knowledge and performance elements using a written test and a performance progress check.

5. Standard. The standard is 70% on written examinations. Standards for performance measurement are indicated in the objective and delineated on the individual progress checklist. The checklist is used by the instructor to document each student's progress on each task. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained. Students must satisfactorily complete all PCs prior to taking the written test.

6. Proficiency Level. Most task performance is taught to the "2b" or "3c" proficiency level. The "2b" means the student can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step by step procedures for doing the task. The "3c" means the student can do all parts of the task but may need a spot check of completed work (competent). The student should be able to identify why and when the task must be done and why each step is needed.

7. Course Objectives. If you require detailed course descriptions and objectives, please provide a written request to the AETC Training Manager, 362 TRS/TRR, 613 10TH Avenue, Sheppard AFB TX 76311-2352.

Course J3ATR2A020 001, Aircraft Maintenance Fundamentals. This course is 23 days long and a prerequisite course for all aircraft maintenance apprentices (fixed wing) before entry into AFS awarding training in follow-on courses at Sheppard or in training detachments. Provides an overview of career progression, security, technical orders, maintenance management, maintenance documentation, aircraft and flightline safety. Students are taught to use handtools and hardware, aerospace ground equipment, and to perform ground handling, corrosion identification and inspection procedures. Fundamental concepts of airframe, egress, electrical, engines, environmental, pneudraulics, landing gear, flight controls, and related systems are presented. The course provides familiarization to personnel assigned to heavy aircraft (bombers, tankers, and

airlift) and light aircraft (fighters and attack). The course hours are included in the course charts of AFS-awarding aerospace maintenance apprentice courses.

Course J3AQR2A333B 002, Fighter Aircraft Maintenance Apprentice (F-16). This course includes the 23 day Aircraft Maintenance Fundamentals course listed above plus 71 days of weapon specific training on the F-16 aircraft. The AFSC 2A333B will be awarded after completion of this course and completion of course J3ABP2A333B 002, Fighter Aircraft Maintenance Apprentice (F-16), at Luke AFB Arizona. Training includes F-16 technical order system, maintenance management, maintenance documentation, aircraft and flight line safety (AFOSH), inspection and use of aircraft support equipment, and aircraft ground handling. Hands-on training is also provided on aircraft systems such as egress, airframe, electrical, utilities, pneudraulics, flight controls, landing gear, engines, and fuels. Students will also perform various aircraft and system inspections and service aircraft systems. Students will be certified as 3-levels on various tasks in this course. See attachment 5, F-16 MRT Matrix.

Course J3ABP2A333B 002, **Fighter Aircraft Maintenance Apprentice (F-16).** Includes 20 days of task certifying training as 3-levels at Luke AFB Arizona on inspections such as preflight, thruflight, walkaround, and basic postflight. Task certification is also performed on inspecting safety devices, removing and installing safety pins, operating canopy, aircraft launch and recovery, refuel, service engine oil, perform hot brake check and operational check, inspecting and using liquid oxygen system. See attachment 5, F-16 MRT Matrix.

Course J3ABP2A333B 004, Fighter Aircraft Maintenance Apprentice (F-117A). Provides training in skills and knowledge necessary for the award of AFSC 2A333B. Students who attend this course will attend courses J3ATR2A020 001 and J3AQR2A333B 002 at Sheppard AFB Texas. After completing course J3AQR2A333B 002, students will go directly to Holloman AFB New Mexico for this course. They will **not** receive F-16 training in course J3ABP2A333B 002 at Luke AFB Arizona. Training in this course includes use of technical orders, aircraft inspections, launch and recover aircraft, jacking aircraft, aircraft marshaling, connect/disconnect electrical power, connect/disconnect hydraulic power and cooling air, safe aircraft for maintenance, egress safety and canopy operation, service various aircraft systems, refuel aircraft, remove/install aircraft wheel and tire, perform operational checks of various systems, operate internal and external lighting, and perform pre-use inspection and use support equipment. Task knowledge will be taught on corrosion control, walk around and end of runway inspections. Subject knowledge will be taught on the various F-117A aircraft systems.

Course J3ACR2A373B 000, **F-16 Aircraft Maintenance Craftsman**. Provides detailed instruction in the use of technical orders, system schematics, troubleshooting, charts/log trees, and system components for Air Force personnel who possess AFSC 2A353B. Course addresses management and supervisory areas unique to the aircraft maintenance career field. Prerequisites are; must complete all CDCs, AF core tasks, and have 12 months OJT as a SSgt (6 months for retrainee).

Section C - Support Material:

8. The following list of support materials is not all inclusive; however, it covers the most frequently referenced areas. Support material is any training package designed to enhance the learning process at any level of training. Refer to AFCAT 36-2223, USAF Formal Schools, for information on AETC formal courses.

8.1. This paragraph list the Training Detachment courses and address for point of contact for information on these courses. The address is 372 TRS/TXB, 912 I Avenue, Suite 3, Sheppard AFB Texas 76311-2361, DSN 736-4791.

COURSE NUMBER	**COURSE TITLE**	**OPR**
J3ABP2A333B 004	Fighter Aircraft Maintenance Apprentice (F-117A)	372 TRS
J4AMF/ASF/AST 2A3X3B 000	F-16 Tactical Aircraft (Aircraft Pneudraulic Sys)	372 TRS
J4AMF/ASF/AST 2A3X3B 002	F-117A Tactical Aircraft Engine Run	372 TRS
J4AMF/ASF/AST 2A3X3B 010	F-16 Tactical Aircraft Maintenance Craftsman	372 TRS
J4AMF/ASF/AST 2A3X3B 012	F-16 Advanced Crew Chief	372 TRS
J4AMF/ASF/AST 2A3X3B 020	F-16 Aircraft Maintenance Craftsman (Engine Run)	372 TRS
J4AMF/ASF/AST 2A3X3B 024	F-117A Transient Alert	372 TRS
J4AMF/ASF/AST 2A3X3B 025	F-117A Tactical Aircraft Maintenance (Cross)	372 TRS
J4AMF/ASF/AST 2A3X3B 026	F-117A Tactical Aircraft Radar Absorbent Material (RAM) Introduction	372 TRS
J4AMF/ASF/AST 2A3X3B 028	F-16 Tactical Aircraft Maintenance (Engine Starting System Troubleshooting)	372 TRS
J4AMF/ASF/AST 2A3X3B 029	F-16 Tactical Aircraft Maintenance (TAMS)	372 TRS

COURSE NUMBER	COURSE TITLE	OPR
J4AMF/ASF/AST 2A3X3B 030	F-16/F110 Engine Inlet Inspection (Certification)	372 TRS
J4AMF/ASF/AST 2A3X3B 031	F-16/F100 Engine Inlet Inspection	372 TRS
J4AMF/ASF/AST 2A3X3B 032	F-117A Tactical Aircraft Maintenance Craftsman (F404 Engine R&I)	372 TRS
J4AMF/ASF/AST 2A3X3B 033	F-117A Engine Intake Inspection (Certification)	372 TRS
J4AMF/ASF/AST 2A3X3B 034	F-117A Tactical Aircraft Maintenance (F404 Engine O/M)	372 TRS
J4AMF/ASF/AST 2A3X3B 035	F-16 Tactical Aircraft Maintenance (TAMS)(CRT)	372 TRS
J4AMF/ASF/AST 2A3X3B 036	F-16 Advanced Crew Chief (CRT)	372 TRS

8.2. The following Interactive Courseware (ICW) is available from, or under development by 367 TRS/TRSS at Hill AFB Utah. To obtain more information about each course, request a copy of the Courseware Catalog from AETC/TRSS, 6058 Aspen, Building 1295, Hill AFB UT 84056-5805. Their FAX number is DSN 777-0897 and their customer service number is DSN 777-0160. To request ordering information on hardware, your MAJCOM training POC (for ACC, AMC, and ANG) is the first stop. For personnel under other MAJCOMs, you contact them directly, they will provide you the information required for purchasing the item through them. If you decide to purchase the system, they will FAX you the AF Form 616 to use for an example. The 367 TRSS internet site is: http://www.hill.af.mil/367TRSS/findex.htm.

COURSE NUMBER	COURSE TITLE
16AIV1301	F-16C/D Landing Gear Troubleshooting
16TIV1302	F-16C/D Block 50 Landing Gear Troubleshooting
16AIV14A1	F-16 Rigging and Troubleshooting of Flight Control Surfaces
16GIV2304	F-16C/D F100-PW220 Engine Fuel and Control System
16GIV2305	F-16C/D F100-PW220 Engine Monitoring System

COURSE NUMBER	COURSE TITLE
16AIV24A1	F-16C/D Emergency Power Unit System Troubleshooting and Maintenance
16TIV24A2	F-16C/D Block 50 EPU System Troubleshooting and Maintenance
16AIV24D0	F-16C/D Engine Start System Troubleshooting
16TIV24D0	F-16C/D Block 50 Engine Start System Troubleshooting
16AIV27G1	F-16C/D F110-GE100 Engine Monitoring System, Data Analysis and Troubleshooting
16GIV3201	F-16 Anti-Skid and Brake System Troubleshooting
00TIV0001V1	Troubleshooting Techniques
00TIV0002	Aerospace Ground Equipment Training
00TCB0002V1	Multimeter Familiarization
00CIV0008	Use and Care of Type III Torque Wrenches
00TIV1000	Aircraft Marshaling
00SIV8967	Diesel Split Deck Maintenance Platform Operation
01SIV8971V5.1.1	-86 Diesel Power Unit Operation
00SIV8972	MA-3D Air Conditioner Operation

Section D - Training Course Index:

9. Purpose: This index lists Air Force resident, ECI, and exportable courses used to support training for this specialty. Refer to AFCAT 36-2223, USAF Formal Schools, for information on AETC formal courses listed below.

9.1. Air Force In-Residence Courses:

COURSE NUMBER	TITLE	OPR

J3AQR2A333B 002	Fighter Aircraft Maintenance Apprentice (F-16)	362 TRS

COURSE NUMBER	TITLE	OPR
J3ABP2A333B 002	Fighter Aircraft Maintenance Apprentice (F-16)	362 TRS
J3ACR2A373B 000	F-16 Aircraft Maintenance Craftsman	362 TRS

9.2. Extension Course Institute (ECI) Courses:

COURSE NUMBER	TITLE	OPR
CDC 2A353	Tactical Aircraft Maintenance Journeyman	362 TRS
CDC 2A373B	Aerospace Maintenance Craftsman	362 TRS
CDC 2AX7X	Aerospace Maintenance Craftsman	362 TRS

9.3. Exportable Courses:

COURSE NUMBER	TITLE	OPR	MEDIA
J6ANU2A3X3B 009	F-16 Aircraft Familiarization	362 TRS	CBT
J6ADL2A3X3B 017	F-16 Tactical Aircraft Maintenance Technician (F110-GE-129 OM Differences)	362 TRS	VTT
J6ANU2A000 000	Weight and Balance (General)	362 TRS	CBT
J6ANU2A3X3 000	Weight and Balance (Tactical Aircraft)	362TRS	CBT
J6ANU2E066 038	AF Technical Order System (General)	362 TRS	CBT
J6ANU2E066 039	AF Technical Order System (Advanced)	362 TRS	CBT
J6AZU2E066 058	AF Maint Data Collection System (CAMS)	362 TRS	CBT
J6AZU2E066 059	AF Maint Data Collection System (CAMS) (781 Forms)	362 TRS	CBT

COURSE NUMBER	TITLE	OPR	MEDIA
J6AZU2E066 061	Core Automated Maint System (CAMS) Introduction	362 TRS	CBT
J6AZU2E066 062	Core Automated Maint System (Mid-Level Maint Manager)	362 TRS	CBT
J6AZU2E066 063	Core Automated Maint System (Senior-Level Maint Manager)	362 TRS	CBT

9.4. Courses Under Development/Revision:

COURSE NUMBER	TITLE	OPR
J3AQR2A333B 002	Fighter Aircraft Maintenance Apprentice (F-16) (Revision to add task certification on LOX servicing and carts)	362 TRS
J3ABP2A333B 002	Fighter Aircraft Maintenance Apprentice (F-117A) (Revision to add task certification on LOX servicing and carts)	362 TRS
CDC 2A373B	Aerospace Maintenance Craftsman (Incorporate Generic Maintenance Management Course 2AX7X)	362 TRS

Section E - MAJCOM Unique Requirements

10. Currently only Air Combat Command has a MAJCOM mandatory course list (MMCL). MAJCOMs change mandatory course requirements occasionally. Up-to-date ACC requirements can be obtained at http://www.acclog.af.mil/lgq/lgqt/98mmcl.doc. Refer to the HQ ACC MMCL for additional information. The below requirements are current as of 28 Aug 98.

COURSE NUMBER	TITLE	MDS
2A3X3B-035	F-16 Tactical Aircraft Maintenance	F-16
2A3X3B-036	Advanced Crew Chief	F-16
2A6X1A-101	Tactical Aircraft Maintenance (F110-GE-129 Removal/Installation) (O/M)	F-16
2A6X1A-133	Tactical Aircraft Maintenance (F110-GE-100 Removal/Installation) (O/M)	F-16